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WORLD BARLEY AND OATS

PRODUCTION FORECAST HIGHER

World production of barley and oats totaled 143 million metric tons in 1966 according to estimates of the Foreign Agricultural Service. The combined total was 5 percent above the 1965 production.

The world barley crop in 1966 is forecast at 99.0 million tons, 8 percent above the 1965 production and 18 percent over the 1960-64 average. Substantial gains were shown in all regions except Africa. Larger acreages and favorable growing and harvesting weather in Canada, Western Europe and the Soviet Union accounted for most of the increase.

In North America barley production was 9 percent over that of 1965. Canadian production at 6.2 million tons, up 34 percent, was second only to the 6.4 million-ton crop of 1952, with gains of 20 percent in acreage and 12 percent in yield. In the United States, the barley crop was 4 percent lower at 9.0 million tons with acreage up 12 percent but yields well below the 1965 record level. Mexico's crop was 12 percent larger at 200,000 tons.

European barley production continued to increase and, at a total of 39.9 million tons, was 8 percent above the 1965 crop. Western Europe harvested 32.4 million tons, production and acreage each showing 9 percent gains. The United Kingdom, at 9.0 million tons, gained 10 percent on 13 percent larger acreage and France, at 7.8 million tons, gained 6 percent on 8 percent larger area. Spain recovered from a poor crop in 1965.

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	1965	1966 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	1,000 bushels	1,000 bushels
North America:											
Canada	6,058	6,038	7,213	28.4	35.5	39.8	3,743	4,671	6,245	214,555	286,841
United States	12,301	9,478	10,604	33.9	43.5	37.1	9,022	8,968	8,575	411,897	393,865
Mexico	572	526	556	13.5	15.1	16.5	169	173	200	7,925	9,190
Total 5/	18,940	16,050	18,380	31.4	39.5	37.5	12,940	13,815	15,020	634,500	689,900
South America:											
Argentina	1,515	--	--	22.5	--	--	744	404	--	18,560	--
Chile	169	178	--	33.2	35.8	--	122	139	--	6,370	--
Colombia	140	104	124	35.8	42.4	37.0	109	96	100	4,410	4,600
Ecuador	265	259	264	13.4	13.3	14.3	78	75	82	3,445	3,780
Peru	449	445	432	18.6	19.0	18.6	182	184	175	8,450	8,040
Uruguay	120	88	--	13.1	13.1	--	34	25	--	1,150	--
Total 5/	2,660	2,470	2,460	21.9	17.2	24.8	1,270	925	1,330	42,490	61,100
Europe:											
EEC:											
Belgium	305	363	391	68.9	66.0	56.4	457	521	480	23,940	22,050
France	5,645	6,004	6,603	50.8	56.4	54.2	6,239	7,378	7,795	338,870	358,000
Germany, West	2,735	2,948	3,180	57.6	52.4	55.7	3,433	3,365	3,854	154,530	177,000
Italy	517	460	442	23.6	28.4	26.5	266	285	255	13,080	11,720
Luxembourg	20	25	--	46.2	45.9	--	20	25	--	1,150	--
Netherlands	227	244	250	75.6	70.2	84.8	374	373	462	17,100	21,200
Total EEC	9,449	10,044	10,881	52.4	54.7	54.3	10,789	11,947	12,871	548,670	591,120
Austria	517	544	568	51.2	44.1	56.2	576	523	695	24,020	31,900
Denmark	2,112	2,572	2,733	70.5	73.8	68.9	3,241	4,125	4,100	189,460	188,310
Finland	560	623	794	25.7	37.0	36.3	314	502	627	23,040	28,800
Greece	456	572	793	25.0	33.0	36.9	249	412	637	18,900	29,240
Ireland	596	464	462	40.8	56.7	60.6	529	573	610	26,320	28,000
Norway	407	467	476	47.7	49.4	47.9	407	503	497	23,090	22,820
Portugal	305	297	259	8.5	9.4	9.0	56	61	51	2,800	2,320
Spain	3,561	3,511	3,313	24.4	18.2	25.0	1,893	1,391	1,801	63,890	82,720
Sweden	990	1,149	1,408	50.3	57.4	46.6	1,085	1,437	1,429	66,000	65,630
Switzerland	75	78	79	60.3	55.9	58.1	99	95	100	4,360	4,600
United Kingdom	4,186	5,395	6,106	64.6	69.7	67.9	5,891	8,191	9,023	376,230	414,400
Total Western Europe 5/	23,215	25,620	27,875	49.7	53.3	53.5	25,130	29,760	32,440	1,366,800	1,490,000
Bulgaria	793	917	940	37.3	45.9	52.0	627	916	1,064	42,070	48,870
Czechoslovakia	1,717	1,630	1,705	43.5	38.7	42.3	1,625	1,376	1,570	63,200	72,100
Germany, East	1,029	1,137	1,150	54.2	55.7	54.3	1,214	1,380	1,360	63,380	62,400
Hungary	1,278	1,238	1,215	34.9	37.6	34.0	970	1,013	900	46,530	41,340
Poland	1,756	1,730	1,780	35.1	38.7	36.0	1,342	1,459	1,395	67,010	64,100
Romania	603	576	590	30.3	38.4	33.5	398	481	430	22,090	19,800
Yugoslavia	892	1,001	990	27.1	31.3	32.2	526	682	695	31,300	31,900
Total Eastern Europe 5/	8,070	8,230	8,370	38.2	40.8	40.7	6,705	7,310	7,415	335,700	340,550
Total Europe 5/	31,285	33,850	36,245	46.7	50.3	50.7	31,835	37,070	39,855	1,702,500	1,830,550
U.S.S.R. (Europe and Asia) 6/	41,463	48,680	46,950	17.9	17.9	22.5	16,117	19,000	23,000	872,660	1,056,380

Africa:											
Algeria	2,236	1,500	--	10.8	10.7	--	525	350	136	16,080	6,250
Morocco	4,254	4,065	--	12.0	13.6	--	1,114	1,200	506	55,160	23,240
Tunisia	1,310	1,438	--	4.8	5.7	--	138	180	80	8,270	3,670
United Arab Republic	133	130	130	49.0	45.9	45.9	142	130	130	5,970	5,970
South Africa, Republic of	81	89	--	20.5	16.7	--	36	32	32	1,490	1,490
Total 5/	8,010	7,220	5,220	11.2	12.0	7.6	1,960	1,895	885	87,000	40,630
Asia:											
Cyprus	161	197	190	21.3	35.7	24.2	74	153	100	7,040	4,600
Iran	3,500	3,650	3,650	12.5	12.6	12.6	950	1,000	1,000	45,930	45,930
Iraq	2,695	--	--	15.3	--	--	897	950	850	43,630	39,040
Israel	165	129	119	18.0	24.0	5.8	65	67	15	3,100	690
Syria	1,859	1,853	1,670	13.4	17.1	8.3	542	690	300	31,690	13,780
Turkey	6,816	6,845	6,919	22.3	20.8	23.2	3,310	3,100	3,500	142,380	160,750
India	7,765	6,592	6,008	15.6	17.6	17.6	2,630	2,523	2,300	115,880	105,640
Japan	1,575	1,043	959	42.8	49.8	49.2	1,593	1,234	1,106	56,680	50,800
Korea, Republic of	2,099	2,528	2,444	18.9	23.1	31.4	951	1,424	1,878	65,400	86,270
Pakistan	541	509	436	11.6	11.7	10.1	136	130	96	5,970	4,390
Total 5/	46,050	43,680	42,090	18.2	19.0	19.3	18,240	18,105	17,680	831,500	812,100
Oceania:											
Australia	2,263	2,060	2,230	22.4	20.2	22.5	1,065	907	1,093	41,670	50,210
New Zealand	82	87	90	54.8	59.4	59.0	98	112	116	5,170	5,310
Total 5/	2,345	2,147	2,320	22.8	21.8	23.9	1,163	1,019	1,209	46,840	55,520
World Total 5/	150,750	154,100	153,670	25.4	27.4	29.6	83,530	91,830	98,980	4,217,500	4,546,100

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary forecasts for Southern Hemisphere harvests which begin late in 1966 and end early in 1967. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics for foreign governments, other foreign material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

OATS: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	1965	1966 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	1,000 bushels	1,000 bushels
North America:											
Canada 5/	9,286	8,656	8,216	42.8	47.9	46.5	6,127	6,399	5,897	414,957	382,390
United States	23,086	19,106	18,966	43.7	50.2	44.1	14,650	13,923	12,129	959,129	835,593
Mexico	213	224	230	23.9	24.9	23.7	74	81	79	5,580	5,443
Total 6/	32,590	27,990	27,410	43.3	49.3	44.6	20,850	20,400	18,110	1,379,730	1,223,430
South America:											
Argentina	1,505	--	--	34.3	--	--	748	480	--	33,070	--
Chile	275	235	--	31.4	34.2	--	125	117	--	8,040	--
Uruguay	204	284	--	22.0	21.6	--	65	89	--	6,130	--
Total 6/	1,980	1,820	1,960	32.7	25.9	35.2	940	685	1,000	47,200	69,000
Europe:											
EEC:											
Belgium	308	243	222	93.6	86.6	77.6	418	306	250	21,050	17,220
France	3,265	2,644	2,614	55.3	65.4	65.1	2,620	2,509	2,471	172,860	170,240
Germany, West	1,884	1.797	1,922	80.8	78.3	83.7	2,211	2,052	2,334	141,370	160,800
Italy	1,152	907	894	31.4	40.1	37.5	525	527	486	36,330	33,500
Luxembourg	39	35	--	65.9	64.9	--	37	33	--	2,270	--
Netherlands	282	248	260	103.8	100.8	105.0	425	363	380	25,000	26,180
Total EEC	6,930	5,874	5,945	62.0	67.9	68.8	6,236	5,790	5,953	398,880	410,150
Austria	376	337	311	61.5	56.0	67.6	336	274	305	18,[illegible]	21,020
Denmark	472	502	556	101.2	106.5	109.7	693	780	885	53,670	60,970
Finland	1,153	1,166	1,183	50.5	60.3	61.1	846	1,021	1,050	70,320	72,340
Greece	311	310	301	33.1	39.3	39.6	150	177	173	12,190	11,930
Irelands	352	284	245	72.8	72.5	81.4	372	299	290	20,580	19,950
Norway	137	113	109	69.8	69.2	69.8	138	114	110	7,820	7,610
Portugal	706	692	655	7.7	8.6	7.1	79	86	68	5,930	4,670
Spain	1,356	1,206	1,153	22.9	19.8	23.8	450	346	399	23,840	27,460
Sweden	1,320	1,100	1,139	65.2	83.9	69.9	1,249	1,340	1,155	92,320	79,570
Switzerland	31	25	25	95.6	77.2	77.2	43	28	28	1,930	1,930
United Kingdom	1,529	1,014	923	76.8	83.7	85.3	1,705	1,232	1,143	84,910	78,750
Total Western Europe 6/	14,670	12,520	12,550	57.8	63.2	63.5	12,300	11,490	11,560	791,300	796,400

Bulgaria	373	358	320	30.3	21.2	36.4	164	110	170	7,580	11,710
Czechoslovakia	1,097	914	940	54.6	49.4	52.8	870	656	720	45,200	49,600
Germany, East	835	717	717	74.3	72.4	74.0	900	754	770	51,950	53,050
Hungary	245	141	154	34.8	30.8	31.3	124	63	70	4,340	4,820
Poland	3,996	3,333	3,260	46.6	51.9	47.8	2,704	2,512	2,260	173,060	155,700
Romania	181	222	220	28.7	23.9	24.1	186	77	77	5,300	5,300
Yugoslavia	801	793	740	30.1	29.4	30.7	350	338	330	23,290	22,740
Total Eastern Europe 6/	7,530	6,480	6,350	48.5	48.0	47.7	5,300	4,510	4,400	310,720	303,000
Total All Europe 6/	22,200	19,000	18,900	54.6	57.9	58.2	17,600	16,000	15,960	1,101,020	1,099,400
U.S.S.R. (Europe and Asia) 7/	21,050	16,309	16,060	21.5	19.4	25.7	6,559	4,600	6,000	316,910	413,370
Africa:											
Morocco	58	54	--	19.0	22.7	--	16	18	12	1,220	850
South Africa, Republic of	496	550	--	16.0	10.2	--	116	100	100	6,890	6,890
Total 6/	745	775	700	16.2	14.2	12.3	175	160	125	11,000	8,600
Asia:											
Turkey	1,019	988	988	31.3	31.4	31.4	463	450	450	31,000	31,000
Japan	192	153	134	54.3	61.6	58.2	151	137	113	9,440	7,800
Total 6/	4,850	4,570	4,550	21.3	21.1	20.9	1,500	1,400	1,380	96,500	95,000
Oceania:											
Australia	3,381	3,280	3,650	25.0	22.1	23.5	1,228	1,052	1,245	72,500	85,750
New Zealand	33	37	35	85.9	77.5	78.6	41	42	40	2,870	2,750
Total 6/	3,414	3,317	3,685	25.6	22.7	24.0	1,269	1,094	1,285	75,370	88,500
World Total 6/	86,830	73,780	73,270	38.8	41.0	40.9	48,895	44,340	43,870	3,028,000	3,000,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1966 and end early in 1967. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals includes allowances for any missing data for countries shown and for other producing countries not shown. 7/ Unofficial estimates for production.

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The East European barley crop was only slightly larger, with no important changes. The Soviet Union's crop is estimated at 23 million tons, up 21 percent with considerably better yields.

Severe drought reduced the barley crops sharply in northern Africa and the outturn for all Africa is estimated at 885,000 tons, versus 1.9 million tons a year earlier. In Asia, Turkish barley production was up 13 percent at 3.5 million tons, while South Korea's crop was up 32 percent at a record 1.9 million tons.

The barley crops in South America and Oceania (to be harvested in December) are expected to return to normal levels after poor 1965 outturns.

The 1966 world oat crop is forecast at 43.9 million tons, one percent lower than in 1965 and 10 percent below the 5-year average.

Canadian oat production at 5.9 million tons was down 8 percent on 5 percent less harvested acreage. The United States crop at 12.1 million tons was 13 percent below 1965 and 17 percent below the 1960-64 average. The U.S. yield returned to about a normal level after last year's record performance.

The West European crop is estimated at 11.6 million tons and the East European at 4.4 million tons, there being little change from 1965 production in either area.

Oat production in the Soviet Union is estimated at 6.0 million tons, up 13 percent although 9 percent below the 5-year average. Oat crops in Argentina and Australia are expected to recover from the drought-reduced 1965 production levels.

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WORLD BREADGRAIN CROP

REVISED UPWARD

Record world production of breadgrains in 1966 is 6 percent larger than the previous record crop of 1964 and 9 percent above 1965, according to the second estimate of Foreign Agricultural Service. Bumper crops in several main producing countries have resulted in upward revisions in world wheat. However, world rye production is the smallest since 1963.

Total wheat and rye crops of 1966 are estimated at 304 million metric tons compared with 280 million in 1965 and the previous record of 287 million tons in 1964. Average production in 1960-64 was 264 million metric tons.

The world wheat crop of 1966 is now estimated at 273.7 million metric tons (10.06 billion bushels) compared with the previous record of 255 million tons (9.4 billion bushels) in 1964. The revised estimate of the 1965 crop is 247 million tons (9.06 billion bushels) and the 1960-64 average was 232 million tons (8.5 billion bushels).

Exceptional crop yields of both winter and spring wheat of the USSR are mainly responsible for the upturn in this year's world wheat production. Generally favorable weather plus improved cultivation practices there resulted in higher yields harvested. Estimates of USSR wheat production range from 70 to 75 million metric tons. This is a phenomenal increase over the poor 1965 crop, estimated at 46.5 million tons, and much above the average.

Major world wheat areas have large crops this year except Western Europe and Asia. Also, crops of Africa were reduced sharply by drought.

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre			Production				
	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	1965	1966 3/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million 4/ bushels	Million 4/ bushels
North America:											
Canada	26,785	28,282	30,298	20.1	22.9	27.9	14,649	17,661	22,982	648.9	844.4
United States	48,264	49,313	49,087	25.4	26.9	26.4	33,304	36,109	35,270	1,326.7	1,295.9
Mexico	1,971	2,055	1,606	20.4	35.8	33.2	1,577	2,000	1,450	73.5	53.3
Total 5/	77,108	79,767	81,087	23.7	25.7	27.1	49,555	55,799	59,733	2,050.1	2,194.7
South America:											
Argentina	11,651	10,712	--	22.6	19.3	--	7,164	5,640	8,500	207.2	312.3
Brazil	1,395	768	--	6.5	11.0	--	247	230	300	8.5	11.0
Chile	2,090	1,938	1,980	21.3	22.2	18.6	1,213	1,172	1,000	43.0	36.7
Colombia	343	314	272	13.4	12.9	16.2	125	110	120	4.0	4.4
Ecuador	166	156	161	13.7	13.0	13.0	62	55	57	2.0	2.1
Peru	377	370	370	14.6	14.7	13.9	150	148	140	5.4	5.1
Uruguay	1,107	979	865	14.1	20.5	15.8	424	547	373	20.1	13.7
Total 5/	17,371	15,486	19,796	20.0	19.0	19.6	9,467	7,986	10,576	293.5	388.5
Europe:											
Austria	683	681	775	38.3	35.6	44.5	712	661	938	24.3	34.5
Belgium	513	562	528	57.1	56.0	55.9	798	857	804	31.5	29.5
Denmark	299	314	230	59.8	66.0	62.1	487	564	389	20.7	14.3
Finland	598	660	516	25.9	27.9	26.2	422	501	368	18.4	13.5
France	10,459	11,171	9,862	41.3	48.5	42.0	11,746	14,760	11,272	542.3	414.2
Germany, West	3,430	3,489	3,431	50.7	45.8	48.5	4,731	4,348	4,533	159.7	166.6
Greece	2,690	2,776	2,515	23.5	26.5	28.7	1,722	1,999	1,962	73.4	72.1
Italy	11,009	10,602	10,561	27.6	33.9	32.7	8,260	9,777	9,410	359.2	345.8
Luxembourg	48	45	47	34.4	37.6	29.3	45	46	38	1.7	1.4
Netherlands	326	392	365	65.8	64.8	64.5	583	691	641	25.4	23.5
Norway	21	10	4	38.0	43.3	36.8	22	12	4	0.4	0.1
Portugal	1,754	1,730	1,530	11.0	14.3	10.8	526	672	450	24.7	16.5
Spain	10,251	10,512	10,100	14.8	16.5	17.5	4,120	4,715	4,804	173.2	176.5
Sweden	713	684	462	43.4	55.8	42.9	842	1,038	540	38.1	19.8
Switzerland	258	259	262	48.9	48.9	49.1	343	345	350	12.7	12.9
United Kingdom	2,064	2,535	2,246	58.6	60.5	58.2	3,293	4,171	3,556	153.3	130.7
Total Western Europe 5/	45,416	46,609	43,567	31.6	35.8	33.9	39,045	45,393	40,248	1,667.9	1,478.8
Albania	273	--	--	12.5	--	--	92	--	--	--	--
Bulgaria	3,020	3,090	2,965	25.2	34.3	40.9	2,100	2,881	3,300	105.9	121.3
Czechoslovakia	1,739	2,041	2,125	35.5	35.9	36.1	1,682	1,992	2,090	73.2	76.8
Germany, East	1,027	2,213	1,075	46.1	54.6	45.9	1,288	1,802	1,344	66.2	49.4
Hungary	2,594	2,674	2,520	26.2	32.2	30.9	1,849	2,346	2,120	86.2	77.9
Poland	3,626	4,102	4,225	28.2	30.6	29.3	2,787	3,420	3,369	125.7	123.8
Romania	7,256	7,371	7,540	19.5	29.5	24.5	3,823	5,916	5,000	217.4	183.7
Yugoslavia	5,135	4,151	4,520	25.9	30.6	37.6	3,618	3,460	4,620	127.1	169.8
Total Eastern Europe 5/	24,670	24,892	25,220	25.7	32.4	32.0	17,239	21,902	21,928	804.7	805.7
Total Europe 5/	70,086	71,501	68,787	29.5	34.6	33.2	56,284	67,295	62,176	2,472.6	2,284.5
U.S.S.R. (Europe and Asia) 6/	160,000	173,500	173,000	11.5	9.9	15.7	50,000	46,500	73,500	1,700.0	2,700.0

Africa:											
Algeria	4,641	5,416	3,656	10.1	9.0	7.3	1,270	1,323	722	48.6	26.5
Morocco	3,900	4,095	4,043	9.7	11.8	7.7	1,034	1,316	850	48.4	31.2
Sudan	47	141	141	23.1	14.6	16.5	30	56	63	2.1	2.3
Tunisia	2,661	2,735	--	6.0	7.0	--	432	520	380	19.1	14.0
United Arab Republic	1,440	1,427	1,495	38.4	41.2	39.8	1,504	1,600	1,620	58.8	59.5
Kenya	265	300	325	17.2	16.3	17.6	124	133	156	4.9	5.7
South Africa, Republic of	2,830	3,130	2,600	11.2	7.8	7.8	862	669	556	24.6	20.4
Total 5/	17,405	19,034	16,632	11.9	11.7	10.7	5,657	6,069	4,841	223.0	177.9
Asia:											
Cyprus	178	162	152	11.0	18.0	13.5	54	80	56	2.9	2.1
Iran	4,925	5,000	5,300	20.4	21.3	22.1	2,740	2,900	3,190	106.6	117.3
Iraq	3,060	--	--	8.6	--	--	718	856	600	31.5	22.0
Israel	128	178	203	19.5	31.0	15.0	68	150	83	5.5	3.0
Jordan	604	689	620	8.1	14.8	5.3	133	278	90	10.2	3.3
Lebanon	142	146	160	9.8	13.7	13.8	38	55	60	2.0	2.2
Turkey	16,000	17,600	17,700	16.0	15.6	17.0	6,980	7,430	8,200	273.0	301.3
China, Mainland	62,500	61,800	60,500	12.2	13.1	12.2	20,700	22,000	20,100	808.4	738.5
Afghanistan	5,700	--	--	14.3	--	--	2,200	--	--	--	--
India	33,123	33,260	32,000	12.0	13.6	12.5	10,809	12,290	10,720	451.6	393.9
Japan	1,475	1,176	1,041	34.4	40.2	36.2	1,381	1,287	1,025	47.3	37.7
Pakistan	12,301	13,272	13,167	12.1	12.8	11.1	4,065	4,625	3,971	169.9	145.9
Total 5/	144,092	146,697	143,851	13.3	13.9	13.1	52,119	55,657	51,313	2,045.0	1,885.4
Oceania:											
Australia	15,805	16,760	20,650	19.3	15.4	20.1	8,298	7,022	11,300	258.0	415.2
New Zealand	197	196	200	46.3	53.0	52.5	248	283	286	10.4	10.5
Total 5/	16,002	16,956	20,850	19.6	15.8	19.9	8,546	7,305	11,586	268.4	425.7
World Total 5/	502,100	523,000	524,000	17.0	17.3	19.2	231,600	246,600	273,700	9,060.0	10,060.0

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1966 and end early in 1967. 2/ Harvested acreage as far as possible. 3/ Preliminary. 4/ Metric tons converted to bushels at 36.7433. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre			Production				
	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	1965	1966 3/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million 4/ bushels	Million 4/ bushels
North America:											
Canada	616	746	635	17.5	22.4	23.9	274	424	386	16.7	15.2
United States	1,705	1,466	1,261	19.2	22.1	21.6	832	845	692	33.3	27.2
Total	2,321	2,212	1,896	18.8	22.6	22.4	1,106	1,269	1,078	50.0	42.4
South America:											
Argentina	1,553	898	—	12.0	10.7	—	474	245	—	9.6	--
Europe:											
Austria	451	387	356	35.0	32.1	39.8	401	316	360	12.4	14.2
Belgium	112	88	83	48.4	45.2	47.0	138	101	99	4.0	3.9
Denmark	356	217	121	46.3	48.1	46.2	418	265	142	10.4	5.6
Finland	230	273	230	24.0	27.4	23.8	140	190	139	7.5	5.5
France	620	546	507	23.7	27.9	28.3	373	387	364	15.2	14.3
Germany, West	2,905	2,787	2,522	43.7	39.9	42.1	3,225	2,825	2,696	111.2	106.2
Greece	59	40	32	15.9	18.7	18.5	24	19	15	0.7	0.6
Italy	139	118	118	25.2	27.8	27.8	89	83	83	3.3	3.3
Luxembourg	8	12	10	34.1	31.3	—	7	7	—	0.3	--
Netherlands	291	242	184	47.9	40.7	43.8	354	250	205	9.8	8.1
Norway	3	2	1	39.0	31.5	37.1	3	2	1	.1	—
Portugal	745	791	740	8.6	10.1	9.6	163	203	180	8.0	7.1
Spain	1,157	971	961	13.4	13.8	14.6	393	340	357	13.4	14.1
Sweden	169	149	94	36.7	45.3	35.2	158	171	84	6.7	3.3
Switzerland	37	44	42	55.5	51.9	56.2	52	58	60	2.3	2.4
United Kingdom	19	18	9	42.1	46.7	49.0	20	21	11	0.8	0.4
Total Western Europe 5/	7,303	6,687	6,012	32.1	30.8	31.5	5,960	5,240	4,807	206.2	189.3
Bulgaria	160	131	136	15.6	19.2	18.8	64	64	65	2.5	2.6
Czechoslovakia	1,071	1,016	965	33.5	31.9	33.9	911	822	830	32.4	32.7
Germany, East	2,088	2,031	2,026	33.6	37.0	33.6	1,784	1,910	1,730	75.2	68.1
Hungary	621	607	549	17.3	18.6	17.9	273	288	250	11.3	9.8
Poland	11,615	11,105	11,120	25.1	29.4	26.1	7,405	8,289	7,380	326.3	290.5
Romania	216	253	250	16.5	20.2	15.9	91	130	100	5.1	3.9
Yugoslavia	437	361	351	16.6	17.0	19.7	185	156	176	6.1	6.9
Total Eastern Europe 5/	16,233	15,526	15,419	26.0	29.6	26.9	10,719	11,665	10,537	459.1	414.8
Total Europe 5/	23,536	22,213	21,431	27.9	30.0	28.2	16,679	16,905	15,344	665.3	604.1
U.S.S.R. (Europe and Asia) 6/	40,340	39,500	38,000	13.0	14.5	13.5	13,330	14,500	13,000	570.8	512.0
Asia:											
Turkey	1,560	1,800	1,850	17.0	15.3	16.6	672	700	780	27.6	30.7
World Total 5/	69,670	67,000	64,500	18.3	19.8	18.7	32,360	33,700	30,600	1,330.0	1,200.0

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary forecast for the Southern Hemisphere harvests, which begin late in 1966 and end early in 1967. 2/ Harvested acreage as far as possible. 3/ Preliminary. 4/ Metric tons converted to bushels at 39.368. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

North America's record wheat harvest is 7 percent above the large 1965 output. Canada, with a record acreage and record yields per acre, produced 844 million bushels (23 million tons), and increase of 30 percent over 1965 and 58 percent above average in 1960-64. The U.S. harvest, though below 1965, was 6 percent above the average.

Australia increased acreage 15 percent over the 1964 previous record acreage, and the crop is currently reported at about 415 million bushels (11.3 million tons), or 12 percent above the previous record of two years before. Volume of Argentina's wheat now being harvested is as yet undetermined. Farmers planted a large acreage, but short rainfall in some areas in the early part of the season reduced yields per acre in various places. Good crop prospects are reported in the normally high yielding area of south Buenos Aires Province.

In contrast with Western Europe's bumper crops in 1965, weather was generally unfavorable in the northern countries for the planting and growing of both winter and spring wheat. Total acreage declined by about 3 million acres from the 1965 record 46.6 million acres, and was 4 percent below the 1960-64 average. Though outturn per acre was well above average, the high yields of 1965 were not attained. Therefore, production decreased by about 5 million tons below the preceding year.

France, Europe's largest producer of wheat, had the most severe production setback. Acreage is reported at 12 percent below the 1965 area, and production of 11,272,000 tons is about three-fourths the 1965 record crop, a decline of 3.5 million tons. West Germany's harvest, though better than the poor 1965 crop, was again below average. Good crops were harvested in Italy and Spain, two principal producers in southern Europe.

Mainland China's wheat crop was reduced sharply by dry weather during the planting season. India and Pakistan report smaller crops than the bumper harvests of the preceding year, and Japan reduced acreage with a consequent decline of 20 percent in production. In southwest Asia, record harvests in Turkey and Iran offset sharply reduced crops in Syria, Iraq, Jordan and Israel because of drought.

Lack of rain in Algeria, Morocco and Tunisia decreased crops 55, 65, and 73 percent, respectively, below the good 1965 harvests. South Africa's wheat crop was greatly reduced by drought for the second successive year.

World rye production in 1966 is estimated at 30.6 million metric tons (1.2 billion bushels), a decline of 9 percent below 33.7 million tons (1.33 billion bushels) in 1965. Production is 5 percent below the average of 1960-64 due chiefly to continued acreage declines in world areas.

Rye acreage of the USSR and Eastern Europe, which together cultivate over nine-tenths of world rye, is again less than the average. Per acre yields are reported below the high yields of 1965.

Acreage of Western Europe is estimated at 6 million acres, about 10 percent below 1965, and 18 percent less than the average of 7.3 million acres in rye in 1960-64. Even though crop conditions were better for rye than in 1965, production declined by 8 percent.

The United States and Canada planted smaller rye acreages. Therefore, even with high yields harvested per acre, their crops were 18 and 9 percent, respectively, below 1965.

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GRAIN
FG 3-67
February 1967

CLANCY V. JEAN NAMED GRAIN DIVISION DIRECTOR

Clarence (Clancy) V. Jean, Chief of the Foreign Marketing Branch, Grain and Feed Division, Foreign Agricultural Service, since May 1964, has been appointed Director of the Division. He succeeds Raymond E. Vickery, who is now FAS's Director of Reports and Statistics.

As Grain and Feed Division Director, Mr. Jean will have responsibility for export and commodity analysis, foreign competition, and market development for feed grains, wheat and flour, rice, pulses, and seeds. There are active cooperators in market development efforts in all of these commodities. Wheat and wheat products are the leading U.S. agricultural export and feed grains form the second largest category.

Mr. Jean in July 1963 joined Foreign Agricultural Service's Grain and Feed Division as a grain marketing specialist following wide experience with private trade wheat groups. He was Executive Vice-President, Oregon Wheat Growers' League, Pendleton, Ore., 1958-59; Administrator, Oregon Wheat Commission, Pendleton, 1959-60; and Washington D.C. representative for Western Wheat Associates, Inc., of Portland, Ore., 1960-63. Oregon Wheat Growers' League was the original FAS cooperator in wheat market development.

The new Director has a B.S. degree from Washington State University and an M.E. degree from Oregon State University, where he served also on the faculty from 1950-54. He did additional graduate work at Iowa State University.

From 1954-58 he served as Manager of the Agricultural Department, Portland (Ore.) Chamber of Commerce.

Mr. Jean has authored a number of articles in the grain and feed field. In 1963 he headed a four-man team visit to Australia to study the Australian wheat marketing system, one of many trips he has made abroad for FAS.

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GRAIN
FG 4-67
April 1967

LARGE INCREASE IN 1966 WORLD

BREADGRAIN CROP CONFIRMED

World production of breadgrains in 1966 was 1 percent higher than the December estimate and far surpassed the previous record crop of 1964, according to the third estimate of Foreign Agricultural Service. High harvest yields resulted in upward crop revisions for both wheat and rye.

World wheat and rye crops combined are estimated at 307 million metric tons, 26 million more than the 281 million tons produced in 1965. Production was 7 percent above the previous largest breadgrain crop of 1964, and 17 percent more than average in 1960-64.

The world wheat crop is estimated at 275 million metric tons (10.1 billion bushels) compared with 247 million tons (9.07 billion bushels) in 1965. The near-record crop of 1964 was 255 million tons (9.4 billion bushels), and average production in 1960-64 was 231 million tons (8.47 billion bushels).

By far the major increase occurred in the USSR, where beneficial crop conditions and increased use of fertilizer and improved farming practices resulted in a pronounced increase in outturn per acre over the preceding season's poor yields. Countries of Eastern Europe increased wheat acreage, and production was slightly larger than in the 1965 previous record crop. Output of Communist China was lower due mainly to reduced acreage from lack of rainfall during the planting of winter wheat.

World wheat production in other than Communist countries increased only slightly over the two preceding unusually large crops. Their estimated production in 1966--57 percent of the world crop--totaled 157.1 million

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre			Production				
	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	1965	1966 3/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million 4/ bushels	Million 4/ bushels
North America:											
Canada	26,785	28,282	30,298	20.1	22.9	27.9	14,649	17,661	22,982	648.9	844.4
United States	48,481	49,560	49,843	25.2	26.5	26.3	33,254	35,806	35,670	1,315.6	1,310.6
Mexico	1,371	2,056	1,569	29.4	35.7	36.3	1,577	2,000	1,550	73.5	57.0
Total 5/	77,325	80,015	81,806	23.5	25.5	27.1	49,505	55,496	60,233	2,039.0	2,213.1
South America:											
Argentina	11,651	11,349	13,093	22.6	20.1	18.8	7,164	6,200	6,700	227.8	246.2
Brazil	1,395	768	--	6.5	11.0	--	247	230	350	8.5	12.9
Chile	2,090	1,938	1,829	21.3	22.2	22.3	1,213	1,172	1,110	43.0	40.8
Colombia	350	297	272	13.1	17.3	16.9	125	140	125	5.1	4.6
Ecuador	166	156	161	13.7	13.0	13.0	62	55	57	2.0	2.1
Peru	377	370	370	14.6	14.7	13.9	150	148	140	5.4	5.1
Uruguay	1,107	979	929	14.1	20.5	12.9	424	547	325	20.1	11.9
Total 5/	17,378	16,106	17,902	20.0	19.6	18.3	9,467	8,576	8,893	315.0	326.8
Europe:											
Austria	683	681	775	38.3	35.6	42.5	712	661	897	24.3	33.0
Belgium	513	562	525	57.1	55.8	45.5	798	854	650	31.4	23.9
Denmark	299	314	232	59.8	66.0	61.8	487	564	390	20.7	14.3
Finland	598	660	516	25.9	27.9	26.3	422	501	369	18.4	13.6
France	10,459	11,171	9,862	41.3	48.5	42.0	11,746	14,760	11,272	542.3	414.2
Germany, West	3,430	3,489	3,431	50.7	45.8	48.5	4,731	4,348	4,533	159.7	166.6
Greece	2,690	2,776	2,515	23.5	26.5	28.7	1,722	1,999	1,962	73.4	72.1
Italy	11,009	10,602	10,561	27.6	33.9	32.7	8,260	9,777	9,406	359.2	345.6
Luxembourg	48	45	47	34.4	37.6	29.3	45	46	38	1.7	1.4
Netherlands	326	392	366	65.8	64.8	60.0	583	691	597	25.4	22.0
Norway	21	10	4	38.0	43.3	36.8	22	12	4	0.4	0.1
Portugal	1,754	1,552	1,211	11.0	14.5	9.3	526	612	306	22.5	11.2
Spain	10,251	10,512	10,380	14.8	16.5	17.0	4,120	4,715	4,813	173.2	176.9
Sweden	713	684	466	43.4	55.8	46.2	842	1,038	586	38.1	21.5
Switzerland	258	256	259	48.9	48.1	45.4	343	335	320	12.3	11.8
United Kingdom	2,064	2,535	2,240	58.6	60.5	58.2	3,293	4,171	3,551	153.3	130.5
Total Western Europe 5/	45,416	46,428	43,523	31.6	35.9	33.7	39,045	45,320	39,883	1,665.2	1,466.0
Albania	273	--	--	12.5	--	--	92	--	--	--	--
Bulgaria	3,057	2,829	2,820	25.2	37.9	41.1	2,100	2,921	3,173	107.3	116.6
Czechoslovakia	1,739	2,041	2,125	35.5	35.9	37.2	1,682	1,992	2,150	73.2	79.0
Germany, East	1,027	1,213	1,186	46.1	54.6	52.0	1,288	1,802	1,680	66.2	61.7
Hungary	2,594	2,674	2,518	26.2	32.2	30.9	1,849	2,347	2,120	86.2	77.9
Poland	3,626	4,102	4,225	28.2	30.7	30.2	2,787	3,422	3,471	125.7	127.5
Romania	7,256	7,371	7,497	19.5	29.6	25.5	3,823	5,937	5,200	218.1	191.1
Yugoslavia	5,135	4,151	4,522	25.9	30.6	37.5	3,618	3,460	4,620	127.1	169.8
Total Eastern Europe 5/	24,707	24,631	25,143	25.6	32.8	32.9	17,239	21,966	22,499	806.9	826.7
Total Europe 5/	70,123	71,052	68,666	29.5	34.8	33.4	56,284	67,286	62,382	2,472.1	2,292.7
U.S.S.R. (Europe and Asia) 6/	160,000	173,500	172,000	11.5	9.9	16.0	50,000	46,500	75,000	1,700.0	2,755.0

Africa:											
Algeria	4,641	5,416	3,656	10.1	9.0	7.3	1,270	1,323	722	48.6	26.5
Morocco	3,900	4,095	4,043	9.7	11.8	7.4	1,034	1,316	812	48.4	29.8
Sudan	47	141	141	23.0	14.6	16.5	30	56	63	2.1	2.3
Tunisia	2,661	2,726	2,088	6.0	7.0	6.2	432	520	350	19.1	12.9
United Arab Republic	1,440	1,427	1,495	38.4	41.2	39.8	1,504	1,600	1,620	58.8	59.5
Kenya	265	300	325	17.2	16.3	17.6	124	133	156	4.9	5.7
South Africa, Republic of	2,830	3,130	2,600	11.2	7.9	7.9	862	670	559	24.5	20.5
Total 5/	17,526	19,075	16,270	11.9	11.7	10.8	5,689	6,067	4,772	222.9	175.3
Asia:											
Cyprus	178	162	152	11.0	18.0	13.5	54	80	56	2.9	2.1
Iran	4,925	5,000	5,300	20.4	21.3	22.1	2,740	2,900	3,190	106.6	117.2
Iraq	3,060	--	--	8.6	--	--	718	856	550	31.5	20.2
Israel	128	178	203	19.5	31.0	15.0	68	150	83	5.5	3.0
Jordan	604	689	620	8.1	14.8	7.8	133	278	101	10.2	3.7
Lebanon	142	146	160	9.8	13.7	13.8	38	55	60	2.0	2.2
Turkey	16,000	17,600	17,700	16.0	15.5	17.0	6,980	7,430	8,200	273.0	301.3
Syria	2,750	3,000	2,800	9.7	11.0	5.2	728	900	400	33.1	14.7
China, Mainland	62,500	61,800	60,500	12.2	13.1	12.2	20,700	22,000	20,100	808.4	738.5
Afghanistan	5,700	5,800	5,800	14.3	14.5	12.8	2,200	2,282	2,023	83.8	74.3
India	33,123	33,260	31,624	12.0	13.6	12.5	10,809	12,290	10,720	451.6	393.9
Japan	1,475	1,176	1,014	34.4	40.2	37.1	1,381	1,287	1,024	47.3	37.6
Pakistan	12,301	13,272	13,167	12.1	12.8	11.1	4,065	4,625	3,971	169.9	145.9
Total 5/	144,092	146,777	143,628	13.0	13.9	13.1	51,119	55,715	51,096	2,047.2	1,877.4
Oceania:											
Australia	15,805	17,515	20,517	19.3	14.8	21.9	8,298	7,067	12,205	259.7	448.5
New Zealand	197	196	216	46.3	53.0	51.9	248	283	305	10.4	11.2
Total	16,002	17,711	20,733	19.6	15.3	22.2	8,546	7,350	12,510	270.1	459.7
World Total 5/	502,450	524,200	521,000	16.9	17.3	19.4	230,600	247,000	274,900	9,075.0	10,100.0

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1966 and end early in 1967. 2/ Harvested acreage as far as possible. 3/ Preliminary. 4/ Metric tons converted to bushels at 36.7433. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre			Production				
	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	Average 1960-64	1965	1966 3/	1965	1966 3/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million 4/ bushels	Million 4/ bushels
North America:											
Canada	616	746	635	17.5	22.4	23.9	274	424	386	16.7	15.2
United States	1,699	1,469	1,283	19.2	22.6	21.8	827	844	709	33.2	27.9
Total	2,315	2,215	1,918	18.7	22.5	22.5	1,101	1,268	1,095	49.9	43.1
South America:											
Argentina	1,553	898	--	12.0	10.7	--	474	245	304	9.6	12.0
Europe:											
Austria	451	387	356	35.0	32.1	40.2	401	316	363	12.4	14.3
Belgium	112	85	74	48.4	45.2	40.2	138	98	76	3.8	3.0
Denmark	356	216	114	46.3	48.3	48.0	418	265	139	10.4	5.5
Finland	230	273	230	24.0	27.4	20.3	140	190	119	7.5	4.7
France	620	546	507	23.7	27.9	30.0	373	387	387	15.2	15.2
Germany, West	2,905	2,787	2,522	43.7	39.9	42.1	3,225	2,825	2,696	111.2	106.2
Greece	59	40	32	15.9	18.7	18.5	24	19	15	0.7	0.6
Italy	139	118	115	25.2	27.8	28.5	89	83	83	3.3	3.3
Luxembourg	8	12	10	34.1	31.3	--	7	7	--	0.3	--
Netherlands	291	242	183	47.9	40.7	41.0	354	250	190	9.8	7.5
Norway	3	2	1	39.0	31.5	37.1	3	2	1	0.1	--
Portugal	745	782	645	8.6	10.5	10.3	163	209	168	8.2	6.6
Spain	1,157	971	961	13.4	13.8	14.6	393	340	357	13.4	14.1
Sweden	169	149	95	36.7	45.3	35.3	158	171	85	6.7	3.4
Switzerland	37	44	40	55.5	52.3	55.1	52	58	56	2.3	2.2
United Kingdom	12	18	9	42.1	46.7	49.0	20	21	11	0.8	0.4
Total Western Europe 5/	7,303	6,674	5,896	32.1	30.9	31.8	5,960	5,243	4,754	206.2	187.3
Bulgaria	160	114	104	15.6	18.0	21.2	64	52	56	2.0	2.2
Czechoslovakia	1,071	1,016	964	33.5	31.9	32.0	911	822	784	32.4	30.9
Germany, East	2,088	2,031	2,026	33.6	37.0	35.0	1,784	1,910	1,800	75.2	70.9
Hungary	621	607	549	17.3	18.6	17.4	273	288	242	11.3	9.5
Poland	11,615	11,105	11,120	25.1	29.4	28.7	7,405	8,289	8,100	326.3	318.9
Romania	216	253	225	16.5	19.5	19.2	91	125	110	4.9	4.3
Yugoslavia	437	361	351	16.6	17.0	19.7	185	156	176	6.1	6.9
Total Eastern Europe 5/	16,233	15,509	15,361	26.0	29.6	28.9	10,719	11,648	11,274	458.4	443.8
Total Europe 5/	23,536	22,183	21,257	27.9	30.0	29.7	16,679	16,891	16,028	664.6	631.1
U.S.S.R. (Europe and Asia) 6/	40,340	39,500	39,500	13.0	14.5	14.0	13,330	14,500	14,000	570.8	551.2
Asia:											
Turkey	1,560	1,800	1,809	17.0	15.3	17.0	672	700	780	27.6	30.7
World Total 5/	69,660	67,000	65,800	18.3	19.8	19.3	32,350	33,700	32,300	1,327.0	1,272.0

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop in the Northern Hemisphere in 1966 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1966 and end early in 1967. 2/ Harvested acreage as far as possible. 3/ Preliminary. 4/ Metric tons converted to bushels at 39.368. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

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tons compared with the previous record of 156.3 million attained both in 1964 and 1965. However, their 1966 harvest was 10 percent above the average of 142.5 million tons in 1960-64.

Sharp increases in the 1966 wheat production of North America and Oceania, as well as a modest gain in South America, were offset by severe production declines in Western Europe and Africa. Also, output in Asia was below the 1965 record crop.

North America's harvest increased nearly 9 percent over the large 1965 harvest. Revised estimates for the United States show an acreage increase of nearly 300,000 acres over 1965 and crop yields per acre that were the third largest on record. Thus, production was only slightly below the bumper 1965 crop and 7 percent above the average.

Mexico reduced acreage 24 percent; even with higher yields harvested the crop was sharply below the large 1965 harvest, but at about the 1960-64 average level. Canada's record crop is unrevised at 22.98 million tons, 5.3 million more than in 1965.

Production of Western Europe declined 12 percent from the 1965 record crop and was only 2 percent above the average. Adverse weather during planting reduced acreage by about 3 million acres below the record 46 million acres planted in the preceding year. Per acre yields, though higher than the average, were substantially below the 1965 record yields. Principal declines were in France, the United Kingdom, Sweden, Portugal, Belgium, Finland, and Denmark. However, good crops were produced in Italy, Spain, and Austria.

South America had another poor year for wheat. Argentina's acreage harvested increased by 15 percent, according to the first official estimate, and the outlook was for a bumper crop. However, dry weather in September and October affected the crop, which is reported to be considerably below expectations. Smaller acreages in the other South American countries resulted in reduced crops, except in Brazil and Ecuador.

Australia increased 1966 acreage 17 percent, or 3 million acres, and record yields per acre were harvested. Thus, production is officially estimated at 12.2 million metric tons compared with the drought reduced crop of 7,067,000 tons in 1965 and the previous record harvest of 10,037,000 tons in 1964.

Total production of the five wheat exporting countries--Argentina, Australia, Canada, France, and the United States--increased 9 percent. Their combined crops add to nearly 89 million tons compared with 81.5 million in 1965, and the average of 75 million tons in the 5 years ended 1964. Record crops of Canada and Australia were 30 and 73 percent, respectively, larger than in 1965. U.S. production was more than expected and Argentina's crop exceeded the poor 1965 harvest. Only in France was there a significant drop in production.

World production of rye is revised upward to 32.3 million metric tons, about 4 percent below the 1965 harvest and approximately at the average level during 1960-64. The crop was larger than expected earlier in the season due chiefly to estimated increases in rye area and yield of the USSR and above average harvest yields in regions of East Europe. Production increased over the previous estimates in East Germany, Poland, and Romania.

Total acreage of East Europe decreased 1 percent from 1965 and was 5 percent below the average, with all countries except Poland sharing in the decline. As the harvest progressed, near-record yields for the Bloc countries as a whole resulted in an upward crop revision of 6 percent above the December estimate. Therefore, East Europe's rye crop was not much below the record 1965 harvest and as much as 5 percent above the average. Best crops were in Poland, East Germany, and Yugoslavia.

World rye acreage continued the declining trend of the last decade. Estimated at 65.8 million acres, the acreage was 1.2 million less than in 1965 and about 4 million below the 1964 acreage. The drop in rye plantings occurred in such important countries as Argentina, the United States, West Germany, Spain, and Portugal. However, two principal growers of rye--Turkey and Canada--have increased acreage in recent years.

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WORLD BARLEY AND OATS

PRODUCTION AT RECORD LEVEL

World production of barley and oats in 1966 reached a record total of 144.4 million metric tons, 6 percent above the 1965 record of 136.1 million tons, according to the latest information available to the Foreign Agricultural Service.

World barley production is estimated at 100.4 million tons, 9 percent higher than a year earlier and 8 percent above the previous record crop in 1964. An increase of 8 percent in yield, to a high of 29.7 bushels per acre, was mainly responsible for the larger world crop.

In North America, the barley crop, totaling 15.0 million tons, was 12 percent higher than in 1965. Canada had a record production of 6.4 million tons, up 37 percent and 30,000 tons over the previous 1952 record. An increase of 14 percent in yield, resulting from good moisture supplies, and a gain of 19 percent in acreage accounted for the unusual Canadian outturn. The United States production at 8.5 million tons was less than one percent below the 1965 level, as an 11 percent decline in yield was balanced by a 12 percent increase in acreage.

The South American barley crop, while gaining 7 percent, was still 27 percent below the 1960-64 average. Argentina, the principal producer, had a short crop because of limited moisture for the second successive year.

With increased acreage and good weather, European barley production showed a gain for the ninth year in a row, to a total of 40.1 million tons, up 6 percent. The West European crop increased 7 percent and that of the European Economic Community 5 percent.

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	1965	1966 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada	6,058	6,038	7,213	28.4	35.5	40.6	3,743	4,671	6,378	214.6	292.9
United States	12,078	9,144	10,227	33.8	42.9	38.1	8,831	8,541	8,481	392.3	389.6
Mexico	572	526	531	13.5	15.1	15.3	169	173	177	7.9	8.1
Total 5/	18,710	15,710	17,975	31.3	39.1	38.4	12,745	13,390	15,040	615.0	690.8
South America:											
Argentina	1,517	948	1,065	22.8	19.6	19.7	753	404	457	18.6	21.0
Chile	169	178	194	33.2	35.8	36.0	122	139	152	6.4	7.0
Colombia	140	104	124	35.8	42.4	37.0	109	96	100	4.4	4.6
Ecuador	265	259	264	13.4	13.3	12.9	78	75	74	3.4	3.4
Peru	449	445	432	19.0	19.0	18.6	186	184	175	8.5	8.0
Uruguay	120	79	114	13.1	16.3	13.5	34	28	34	1.3	1.5
Total 5/	2,660	2,015	2,195	22.2	21.2	20.8	1,285	930	995	42.7	45.7
Europe:											
EEC:											
Belgium	305	362	396	68.9	66.0	55.9	457	520	499	23.9	22.1
France	5,645	6,004	6,546	50.8	56.4	52.3	6,239	7,378	7,452	338.9	342.3
Germany, West	2,735	2,948	3,183	57.6	52.4	55.8	3,433	3,365	3,869	154.5	177.7
Italy	517	460	442	23.6	28.4	26.3	266	285	253	13.1	11.6
Luxembourg	20	25	25	46.2	38.6	49.6	20	21	27	1.0	1.2
Netherlands	227	244	297	75.7	70.2	64.4	374	373	416	17.1	19.1
Total EEC	9,449	10,043	10,889	52.4	54.6	52.8	10,789	11,942	12,516	548.5	574.8
Austria	517	544	568	51.2	44.1	57.1	576	523	706	24.0	32.4
Denmark	2,112	2,572	2,748	70.5	73.8	69.2	3,241	4,125	4,141	189.5	190.2
Finland	560	623	794	25.7	37.0	34.5	314	502	597	23.0	27.4
Greece	456	572	793	25.0	33.0	36.6	249	412	632	18.9	29.0
Ireland	596	464	462	40.8	56.7	60.6	529	573	610	26.3	28.0
Norway	407	467	464	47.7	47.8	40.1	423	485	405	22.3	18.6
Portugal	305	310	247	8.5	10.7	9.4	56	72	51	3.3	2.3
Spain	3,561	3,395	3,202	24.4	25.6	31.3	1,893	1,891	2,183	86.9	100.3
Sweden	933	1,149	1,408	51.6	57.4	47.2	1,049	1,437	1,447	66.0	66.5
Switzerland	75	78	79	60.3	55.9	58.1	99	95	100	4.4	4.6
United Kingdom	4,186	5,395	6,130	64.6	69.7	67.0	5,891	8,191	8,944	376.2	410.8
Total Western Europe 5/	23,160	25,615	27,785	49.8	54.2	53.4	25,110	30,250	32,335	1,389.4	1,485.1
Bulgaria	793	919	1,030	37.2	43.8	47.4	643	876	1,064	40.2	48.9
Czechoslovakia	1,717	1,651	1,705	43.5	38.9	42.8	1,625	1,399	1,587	64.3	72.9
Germany, East	1,029	1,228	1,149	54.2	61.8	61.2	1,214	1,651	1,530	75.8	70.3
Hungary	1,278	1,238	1,211	34.5	37.6	34.7	960	1,013	916	46.5	42.1
Poland	1,756	1,730	1,779	35.1	38.7	37.5	1,342	1,459	1,454	67.0	66.8
Romania	603	576	608	30.3	38.7	35.5	398	485	470	22.3	21.6
Yugoslavia	892	1,001	974	27.1	31.3	33.7	526	682	714	31.3	32.8
Total Eastern Europe 5/	8,070	8,345	8,460	38.2	41.7	42.0	6,710	7,570	7,740	347.7	355.5
Total Europe 5/	31,230	33,960	36,245	46.8	51.2	50.8	31,820	37,820	40,075	1,737.1	1,840.6
U.S.S.R. (Europe and Asia) 6/	41,463	48,680	49,420	17.8	17.9	22.8	16,117	19,000	24,500	872.7	1,125.3

Africa:											
Algeria	2,236	--	--	10.8	--	--	525	378	136	17.4	6.2
Morocco	4,254	4,065	--	12.0	13.4	--	1,114	1,189	506	54.6	23.2
Tunisia	1,310	1,438	932	4.8	5.7	3.9	138	180	80	8.3	3.7
United Arab Republic	133	130	101	49.0	45.9	46.4	142	130	102	6.0	4.7
South Africa, Republic of	81	89	--	20.5	15.7	--	36	30	28	1.4	1.3
Total 5/	8,015	7,425	5,125	11.2	11.8	7.6	1,960	1,910	855	87.7	39.2
Asia:											
Cyprus	161	199	200	21.3	31.7	19.5	74	137	85	6.3	3.9
Iran	3,500	3,650	3,650	12.5	12.6	12.6	950	1,000	1,000	45.9	45.9
Iraq	2,695	--	--	15.3	--	--	897	950	700	43.6	32.2
Israel	165	129	119	18.0	24.0	5.8	65	67	15	3.1	0.7
Syria	1,859	1,685	--	13.4	13.6	--	542	500	150	23.0	6.9
Turkey	6,816	6,845	6,696	22.3	20.8	24.0	3,310	3,100	3,500	142.4	160.8
Afghanistan	862	865	865	16.1	20.2	19.9	378	380	375	17.5	17.2
India	7,765	6,632	6,304	15.6	17.5	16.6	2,630	2,523	2,284	115.9	104.9
Japan	1,575	1,043	969	46.5	54.3	52.4	1,593	1,234	1,105	56.7	50.8
Korea, Republic of	2,099	2,528	2,444	20.8	25.9	38.0	951	1,424	2,020	65.4	92.8
Pakistan	541	509	436	11.6	11.7	10.1	136	130	96	6.0	4.4
Total 5/	46,270	43,780	41,580	18.2	18.9	19.4	18,330	18,030	17,560	828.1	806.5
Oceania:											
Australia	2,263	2,298	2,300	22.4	19.0	23.8	1,065	949	1,191	43.6	54.7
New Zealand	82	87	90	54.8	59.9	67.1	98	113	132	5.2	6.0
Total 5/	2,345	2,385	2,390	22.8	20.5	25.4	1,163	1,062	1,323	48.8	60.7
World Total 5/	150,695	153,960	154,930	25.4	27.5	29.7	83,420	92,140	100,350	4,232.0	4,609.0

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary estimates for Southern Hemisphere harvests which begin late in 1966 and end early in 1967. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts. 5/ Estimated totals include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics for foreign governments, other foreign material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

OATS: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965 and 1966 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	1965	1966 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada 5/	9,286	8,656	8,216	42.8	47.9	47.3	6,127	6,399	5,994	415.0	388.7
United States	22,784	18,479	17,848	43.9	50.2	44.7	14,496	13,453	11,584	926.9	798.1
Mexico	213	222	230	23.9	25.1	24.6	74	81	82	5.6	5.6
Total 6/	32,285	27,360	26,300	44.2	50.2	46.3	20,700	19,935	17,660	1,373.4	1,216.7
South America:											
Argentina	1,502	1,040	1,030	34.3	31.8	36.8	748	480	550	33.1	37.9
Chile	275	235	241	31.4	34.2	34.1	125	117	119	8.0	8.2
Uruguay	204	311	195	22.0	21.4	21.9	65	97	62	6.7	4.3
Total 6/	1,985	1,590	1,470	32.6	30.1	34.4	940	695	735	47.9	50.6
Europe:											
EEC:											
Belgium	308	245	226	93.6	85.6	89.4	418	304	293	21.0	20.2
France	3,265	2,644	2,686	55.3	65.4	65.8	2,620	2,509	2,565	172.9	176.7
Germany, West	1,884	1,797	1,921	80.8	78.7	83.9	2,211	2,052	2,340	141.4	161.2
Italy	1,152	907	887	31.4	40.1	37.0	525	527	478	36.3	32.9
Luxembourg	39	35	32	65.9	59.1	77.5	37	30	36	2.1	2.5
Netherlands	282	248	245	103.8	100.8	100.4	425	363	357	25.0	24.6
Total EEC	6,930	5,876	5,997	62.0	67.9	69.7	6,236	5,785	6,069	398.7	418.1
Austria	376	337	311	61.5	56.0	72.0	336	274	325	18.9	22.4
Denmark	472	502	588	101.2	106.5	101.1	693	780	863	53.7	59.5
Finland	1,153	1,166	1,183	50.5	60.3	51.3	846	1,021	881	70.3	60.7
Greece	311	310	300	33.1	39.3	40.0	150	177	174	12.2	12.0
Ireland	352	284	285	73.4	76.7	70.1	375	316	290	21.8	20.0
Norway	137	113	102	69.8	69.2	61.8	138	114	92	7.8	6.3
Portugal	780	669	551	7.0	10.2	8.5	79	99	68	6.8	4.7
Spain	1,356	1,240	1,114	22.9	19.8	25.9	450	356	418	24.5	28.8
Sweden	1,320	1,100	1,139	65.2	83.9	71.6	1,249	1,340	1,184	92.3	81.6
Switzerland	31	25	25	95.6	77.2	77.2	43	28	28	1.9	1.9
United Kingdom	1,529	1,014	907	76.8	83.7	86.1	1,705	1,232	1,134	84.9	78.1
Total Western Europe 6/	14,745	12,635	12,500	57.5	62.8	63.6	12,300	11,520	11,530	793.6	794.4

Bulgaria	373	358	321	30.3	21.2	36.5	164	110	170	7.6	11.7
Czechoslovakia	1,097	927	940	54.6	46.8	54.3	870	630	741	43.4	51.1
Germany, East	835	642	717	74.3	81.3	77.8	900	758	810	52.2	55.8
Hungary	245	141	153	34.8	30.8	32.4	124	63	72	4.3	5.0
Poland	3,996	3,333	3,262	46.6	51.9	49.1	2,704	2,512	2,323	173.1	160.0
Romania	447	287	339	28.7	29.8	24.4	186	124	120	8.5	8.3
Yugoslavia	801	793	791	30.1	29.4	33.7	350	338	387	23.3	26.7
Total Eastern Europe 6/	7,795	6,485	6,525	46.8	48.2	48.8	5,300	4,540	4,625	312.8	318.6
Total All Europe 6/	22,540	19,120	19,025	53.8	57.9	58.5	17,600	16,060	16,155	1,106.4	1,113.0
U.S.S.R. (Europe and Asia) 7/	21,030	16,309	16,800	21.5	19.4	26.7	6,559	4,600	6,500	316.9	447.8
Africa:											
Morocco	58	54	--	19.0	23.0	--	16	18	12	1.2	0.8
South Africa, Republic of	496	550	--	16.0	12.9	--	115	103	93	7.1	6.4
Total 6/	700	715	670	16.7	13.4	11.8	170	140	115	9.6	7.9
Asia:											
Turkey	1,019	988	988	31.3	31.4	31.4	463	450	450	31.0	31.0
Japan	192	153	134	54.3	61.6	63.2	151	137	123	9.4	8.5
Total 6/	4,850	4,570	4,550	21.3	21.1	21.1	1,500	1,400	1,390	96.5	95.8
Oceania:											
Australia	3,383	3,768	3,900	25.0	20.1	24.9	1,228	1,102	1,408	75.9	97.0
New Zealand	33	37	35	85.9	77.5	75.0	41	42	38	2.9	2.6
Total 6/	3,416	3,805	3,935	25.6	20.7	25.3	1,269	1,144	1,446	78.8	99.6
World Total 6/	86,830	73,470	72,750	38.7	41.2	41.7	48,740	43,975	44,000	3,029.6	3,031.4

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary estimates for the Southern Hemisphere harvests which begin late in 1966 and end early in 1967. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Unofficial estimates for production.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

The United Kingdom with a 14 percent acreage increase turned out a record 8.9 million tons of barley, 9 percent more than in 1965. Also showing record production in 1966 were France, Denmark, Spain, Sweden, Bulgaria, Yugoslavia, Austria, Greece and Ireland.

Favorable weather also accounted for a record barley crop in the Soviet Union, estimated at 24.5 million tons. This represented a 29 percent increase over the short 1965 crop, with sharply improved yield.

Severe drought in Northern Africa reduced barley yields severely and the outturn for the continent is estimated at 855 thousand tons, less than half that in 1965 and the 1960-64 average.

Barley production in Asia is estimated at 17.6 million tons, down 3 percent. Turkey and Korea had substantial gains while the Indian crop was lower. Australia harvested 1.2 million tons of barley in 1966, the largest crop since 1960.

World oat production in 1966 is estimated at 44.0 million tons, slightly over the 1965 crop although 10 percent below the 1960-64 average.

The Canadian crop at 6.0 million tons was 6 percent lower on reduced acreage. The U.S. production was off 14 percent, at 11.6 million tons, as yield declined 11 percent.

The South American oat crop is estimated at 735 thousand tons, moderately above the 1965 outturn. Argentina harvested 550 thousand tons, slightly better than the previous crop but 26 percent below the 1960-64 average.

Oat production in Europe in 1966 totaled 16.2 million tons, little changed from the previous harvest. The EEC crop gained 5 percent, due principally to a 14 percent increase in West Germany.

The Soviet Union produced an estimated 6.5 million tons of oats in 1966, up 41 percent, as good weather brought a sharp improvement in the per acre yield.

In Africa dry weather reduced the crop well below the 5-year average for the second consecutive year. The Asian oat harvest at 1.4 million tons was only slightly changed from a year earlier. The Australian crop of 1.4 million tons, up 28 percent, was the largest since the record harvest of 1.6 million tons in 1958.

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U.S. EXPORTS OF PREPARED AND MIXED FEEDS

CONTINUE SETTING NEW RECORDS 1/

The mixed-feeds industry has grown rapidly since World War II in response to many economic and technical developments. Farmers, both of the United States and foreign countries, have increased their demands on the industry. According to the U.S. Census of Manufacturers, mixed feed production increased 36 percent from 1947 to 1958. It has now blossomed into one of the most promising enterprises since many farmers not only have shifted from home-produced feeds to commercial feeds,. but they increasingly insist on buying the improved-quality mixed feeds made possible by advances in knowledge of animal nutrition. Other factors contributing to increased production and exports are expanding livestock numbers, limited feed mixing facilities, upward trends in consumer purchasing power, and greater per capita consumption of meat, eggs, and dairy products.

United States prepared and mixed feed exports reached an all-time record of 1.2 million short tons for fiscal year 1965-66 (Table I). This represents an increase of 23 percent over the 997,000 tons shipped during July-June 1964-65. To further emphasize the growth of exports an average of 99,000 tons of prepared and mixed feeds were shipped during the 5-year period, 1950-54. These exports increased to 382,000 tons during the 5-year period, 1955-60.

Exports of fodders and other feeds (including concentrates and by-products of the milling industry) accounted for 41 percent of the total, a decline from the previous three years. This was followed closely by shipments of corn feeds at 32 percent of the total and poultry feeds at 19 percent. Wheat and dairy feeds made up the remaining 8 percent.

1/ Prepared by Horace E. Sears, Agricultural Economist.

With the exception of 1957-58 and 1958-59, the distribution of exports by areas has remained constant with European countries being the principal market. During this time countries of the Western Hemisphere remained the second important market. However, the rapid expansion of Japan's broiler and beef industries, combined with their increased swine production has caused a steady growth in the commercial feed market. Since 1962-63 the Asiatic countries have become the second highest market for exports of prepared and mixed feeds (Table 2).

Table 1.--FEEDS, PREPARED AND MIXED: U.S. exports by classification, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Commodity	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Corn feeds	24,841	55,982	133,501	166,488	220,197	387,845
Poultry feeds	102,477	118,891	125,650	142,155	176,256	231,254
Wheat feeds	1/47,656	30,341	46,767	18,240	34,859	81,717
Dairy feeds	1/ 7,383	7,572	7,869	7,425	14,749	22,606
Fodders and other feeds	199,930	279,122	593,526	542,877	550,709	506,305
Total	382,287	491,908	907,313	877,185	996,770	1,229,727

1/ Four-year average 1956-60, Fiscal year 1955-56 is included with "Fodders and Feeds, N.E.C".

Table 2.--FEEDS, PREPARED AND MIXED: Total exports by areas, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Area	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere	177,146	177,832	174,819	181,530	175,308	192,694
Europe	138,838	184,487	495,602	438,177	481,377	558,911
Asia	65,128	126,258	232,302	254,912	337,090	473,867
Africa	628	2,499	3,719	1,539	1,947	2,561
Oceania	547	832	871	1,027	1,048	1,694
Total	382,287	491,908	907,313	877,185	996,770	1,229,727

Shipments to European countries in 1965-66 totaled 559,000 tons, an increase of 16 percent over the previous year. The European market declined in relative importance from 48 percent of total exports in 1964-65 to 45 percent this year. On the other hand, shipments to Asiatic countries increased from 337,000 tons in 1964-65 to 474,000 tons, or from 34 percent to 39 percent of the total exports. Although the Western Hemisphere market increased in quantity (175,000 tons in 1964-65 to 193,000 tons in 1965-66), the percentage of the total decreased from 18 to 16 percent.

A summary of all feeds (prepared and mixed) and fodders and feeds, n.e.c. shows the steady increase in exports (Table 3). Of the total shipments, the Netherlands and Japan were the greatest recipients with 35 and 34 percent, respectively. Markets showing substantial decreases in shipments during 1965-66 were France, West Germany, Italy and Denmark. However, these losses were more than off-set by increased exports to the Netherlands, Japan, Iceland, Jamaica and Venezuela.

Exports of corn feeds remained close to 15,000 short tons from 1950-51 through 1958-59. Since the shipment of 66,000 tons in 1959-60, exports have steadily increased to the peak record of 388,000 tons during 1965-66 (Table 4). The principal market was the Netherlands with 81 percent of the total, slightly higher than the previous year. However, the quantity increased from 176,000 tons in 1964-65 to 314,000 tons during 1965-66. The major reason for this rapid increase is the tremendous growth in production of poultry and swine feed compounds. Italy, France and Iceland were the other major markets during 1965-66 receiving 12,000, 15,000 and 20,000 tons, respectively.

Wheat feeds, prepared or mixed, have been exported in sporadic quantities since 1950, never reaching sizable amounts. The 82,000 short tons in 1965-66 is the largest amount shipped since 1959-60 when the previous high of 59,000 tons were exported (Table 5). Japan has always been the leading market for wheat feeds receiving at least 45 percent or more of the total each year. The Netherlands, in 1965-66, increased their takings considerably to 28 percent of the total.

Prepared or mixed poultry feeds represents the second most important item in exports of feeds made largely from grain. Until 1962-63 poultry feeds represented the greatest quantity in exports of mixed feeds. However, the tremendous jump in corn feeds to European markets has overshadowed the continual steady increase of poultry feeds. During the 5-year period, 1950-54, exports of poultry feeds averaged 29,000 short tons, but perenial demand has grown resulting in record shipments of 231,000 tons during 1965-66 (Table 6). The Western Hemisphere countries remain the principal markets accounting for 49 percent of the total during 1965-66. The Asiatic countries rapidly closed the gap by receiving 41 percent of the shipments as compared to 31 percent during 1964-65. This was due mainly to the large shipments to Japan, which alone took 20 percent of the total. Other primary markets were Lebanon and Hong Kong with 19,000 and 13,000 tons, respectively. Mexico with 25,000 tons and Jamaica with 17,000 tons were the outstanding markets in the Western Hemisphere.

(Continued on page 18)

Table 3.--FEEDS (Prepared and Mixed) AND FODDERS - SUMMARY: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	34,939	30,783	28,761	21,341	20,271	27,807
Mexico	33,953	18,745	22,448	28,682	32,622	30,244
British Honduras	435	786	900	672	986	954
Canal Zone	1,504	4	69	50	--	--
Costa Rica	8,144	5,556	6,973	5,955	6,213	3,913
El Salvador	1,791	3,092	4,854	4,207	5,473	4,971
Guatemala	2,833	5,800	6,102	7,204	5,720	6,123
Honduras	205	461	433	372	501	573
Nicaragua	191	1,242	1,156	1,773	2,400	2,582
Panama	2,787	1,894	1,689	1,372	1,314	1,627
Bahamas	6,055	6,734	7,529	9,123	10,783	11,483
Barbados	2,851	7,005	4,818	5,658	4,305	5,910
Bermuda	6,544	7,213	8,158	8,942	8,572	9,665
Cuba	18,332	--	--	--	--	--
Dominican Republic	1,403	1,003	2,550	6,143	8,260	9,586
French West Indies	125	195	246	266	268	928
Haiti	361	582	416	311	344	271
Jamaica	11,626	23,514	26,104	26,542	20,080	23,376
Leeward and Windward Islands	430	1,700	1,547	1,560	1,719	2,397
Netherlands Antilles	9,509	9,210	9,164	9,077	7,891	9,115
Trinidad and Tobago	13,339	25,070	18,050	15,688	10,073	8,771
Argentina	6	--	--	21	6	9
Bolivia	8	189	666	890	906	1,465
Brazil	84	245	65	80	145	924
Chile	--	263	82	51	92	290
Colombia	2,806	817	1,500	706	412	687
Ecuador	554	1,949	809	1,974	2,044	1,822
French Guiana	51	--	--	--	--	--
Guyana	3,193	5,141	3,341	4,458	4,964	5,681
Paraguay	--	--	6	5	183	63
Peru	716	487	348	509	756	1,289
Surinam	1,142	3,244	2,389	3,606	3,512	3,607
Uruguay	--	48	32	86	45	8
Venezuela	11,229	14,860	13,614	14,206	14,448	16,553
Total	177,146	177,832	174,819	181,530	175,308	192,694
Europe:						
EEC Countries:						
Belgium-Luxembourg	20,629	13,863	44,549	13,697	16,532	17,474
France	2,392	15,514	36,187	11,619	29,231	17,452
Germany, West	9,170	19,370	45,154	42,876	24,769	5,320
Italy	6,048	17,650	30,632	31,396	23,373	20,229
Netherlands	16,158	58,464	262,831	285,240	315,004	431,702
Sub-total	54,397	124,861	419,353	384,828	408,909	492,177
Other Western Europe:						
Austria	71	60	--	31	--	368
Azores	--	--	--	--	25	21
Cyprus	--	12	135	184	66	150
Denmark	10,429	14,649	6,598	7,986	10,013	1,561
Finland	41	103	134	670	586	23
Greece	1,173	403	447	740	1,738	748
Iceland	16,780	19,412	21,503	24,471	21,925	27,119
Ireland	791	60	52	82	123	396
Malta and Gozo	--	34	6	--	51	60
Norway	711	107	6,763	269	448	115
Portugal	2	--	48	357	271	423
Spain	590	1,192	7,701	5,230	5,232	3,785
Sweden	476	286	801	294	175	687
Switzerland	5,471	632	10,592	6,541	11,095	10,930
United Kingdom	47,858	21,979	16,035	6,232	20,677	20,311
Sub-total	84,393	58,929	70,815	53,087	72,425	66,697
Eastern Europe:						
Hungary	--	--	--	--	--	5
Poland	31	697	--	--	--	--
U.S.S.R.	17	--	--	--	--	--
Yugoslavia	--	--	5,434	262	43	32
Sub-total	48	697	5,434	262	43	37
Total	138,838	184,487	495,602	438,177	481,377	558,911

Table 3.—FEEDS (Prepared and Mixed) AND FODDERS:- SUMMARY: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1 (Continued)

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Asia:						
Aden	--	--	--	--	2	2
Afghanistan	--	--	--	4	--	--
Arabia Peninsula States	1	65	36	--	77	8
Bahrain	5	--	13	62	41	9
Burma	--	--	--	20	--	--
Ceylon	1	11	202	137	116	122
Hong Kong	766	9,296	13,769	10,857	12,831	14,829
India	--	37	72	31	21	35
Indonesia	--	--	--	20	--	--
Iran	4	--	85	--	203	1,769
Iraq	--	30	21	13	46	490
Israel	2,256	421	344	418	343	124
Japan	57,117	106,166	204,249	223,323	293,549	415,495
Jordan	7	270	372	581	272	114
Korea, Republic of	85	6	21	475	188	105
Kuwait	18	714	452	1,004	2,918	2,752
Lebanon	847	6,628	9,192	13,537	18,668	19,359
Macao	6	--	--	--	55	--
Malaysia	92	676	1,266	1,812	2,260	2,585
Nansei and Nanpo Islands	32	11	39	70	409	979
Nepal	--	--	--	--	--	2
Pakistan	3	6	9	21	15	11
Philippines	3,649	1,313	816	825	1,308	1,942
Saudi Arabia	125	47	279	604	2,859	5,419
Singapore	--	--	--	--	--	2,132
Syrian Arab Republic	5	261	510	485	177	102
Taiwan	16	7	--	49	126	4,815
Thailand	16	120	180	260	144	242
Turkey	4	171	375	101	88	74
Vietnam, South	1/ 73	2	--	203	374	351
Total	65,128	126,258	232,302	254,912	337,090	473,867
Africa:						
Angola	--	--	--	6	4	44
British West Africa	--	--	--	--	5	--
Burundi and Rwanda	--	--	--	--	--	2
Canary Islands	--	--	11	--	119	633
Congo (Kinshasa)	18	173	361	--	--	25
Ethopia	2	--	--	--	--	2
Ghana	11	435	190	668	720	157
Guinea	--	--	--	--	2	25
Ivory Coast	--	--	--	23	--	--
Kenya	--	3/	3/	3/	--	24
Liberia	542	1,708	2,853	595	709	1,154
Libya	25	83	69	53	199	148
Malagasy Republic	--	--	--	10	--	--
Malawi	--	--	--	--	--	76
Mauritius	--	--	--	--	9	--
Morocco	17	--	--	--	--	--
Mozambique	--	--	--	14	19	41
Nigeria	11	10	25	2	12	12
Rhodesia	--	--	--	--	--	67
Senegal	--	--	--	--	14	--
Somali Republic	--	--	57	--	--	--
South Africa, Republic of	--	59	44	143	124	82
Tanganyika	--	3/	3/	3/	--	2
Togo	--	--	14	--	11	17
Tunisia	--	16	85	7	--	--
Uganda	--	2/ 6	2/ 10	2/ 6	--	2
United Arab Republic	2	9	--	--	--	6
Western Africa, n.e.c.	--	--	--	12	--	42
Zanzibar	--	3/	3/	3/	--	--
Total	628	2,499	3,719	1,539	1,947	2,561
Oceania:						
Australia	126	298	346	182	109	223
British West Pacific Islands	--	--	--	--	--	2
French Pacific Islands	344	431	397	747	894	1,212
New Zealand	7	2	--	--	--	192
Trust Territory	70	101	128	98	45	65
Total	547	832	871	1,027	1,048	1,694
World Total	382,287	491,908	907,313	877,185	996,770	1,229,727

1/ Includes Vietnam, Laos and Cambodia. 2/ Includes Uganda, Kenya, Tanganyika and Zanzibar. 3/ Included in figure for Uganda.

Table 4.--CORN BY-PRODUCTS 1/: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	388	2,257	4,832	2,793	2,853	4,656
Mexico	110	383	65	56	534	324
El Salvador	--	--	--	--	199	--
Guatemala	2	--	--	--	--	--
Honduras	--	--	--	--	3	--
Panama	100	--	--	--	--	28
Bahamas	776	241	329	341	420	207
Barbados	83	2,287	479	730	24	275
Bermuda	11	30	62	--	46	117
Cuba	286	--	--	--	--	--
Dominican Republic	--	--	--	50	--	--
French West Indies	4	2	17	26	96	24
Haiti	10	--	--	--	--	4
Jamaica	165	2,109	2,516	2,181	2,698	3,870
Leeward and Windward Islands	6	46	67	22	11	68
Netherlands Antilles	182	586	524	1,028	529	126
Trinidad and Tobago	361	2,801	1,124	516	494	409
Brazil	--	--	--	--	28	6
Colombia	14	--	--	--	18	36
Guyana	11	--	--	--	--	--
Peru	--	--	--	--	50	401
Surinam	--	53	110	230	90	210
Uruguay	--	--	7	--	--	--
Venezuela	--	61	10	--	--	8
Total	2,499	10,856	10,142	7,973	8,093	10,769
Europe:						
EEC Countries:						
Belgium and Luxembourg	990	265	5,147	2,174	8,182	9,101
France	447	53	429	586	135	15,111
Germany, West	1,995	--	12,802	577	--	567
Italy	1,998	9,446	6,403	11,411	11,046	12,001
Netherlands	5,568	20,271	74,389	119,390	175,767	313,555
Sub-total	10,998	30,035	99,170	134,138	195,130	350,335
Other Western Europe:						
Denmark	92	--	--	420	248	166
Greece	--	50	--	--	553	--
Iceland	11,076	14,635	17,093	17,115	14,890	20,055
Ireland	56	--	--	--	--	--
Spain	--	--	1,218	2,819	525	902
Sweden	7	--	--	16	--	45
Switzerland	22	--	5,483	3,779	606	3,944
United Kingdom	--	--	297	--	56	1,538
Sub-total	11,253	14,685	24,091	24,149	16,878	26,650
Total	22,251	44,720	123,261	158,287	212,008	376,985
Asia:						
Ceylon	--	11	--	--	--	--
Hong Kong	--	375	--	--	--	--
Israel	--	--	--	--	60	--
Japan	3	--	--	--	10	--
Korea, Republic of	17	--	--	--	--	--
Lebanon	--	--	--	--	7	22
Malaysia	--	--	80	210	--	25
Philippines	51	--	10	--	14	--
Taiwan	5	--	--	--	--	--
Thailand	--	--	--	--	--	40
Total	76	386	90	210	91	87
Africa:						
Liberia	14	12	--	--	--	4
Libya	--	--	--	14	--	--
Total	14	12	--	14	--	4
Oceania:						
French Pacific Islands	--	8	8	4	--	--
Trust Territory	1	--	--	--	5	--
Total	1	8	8	4	5	--
World Total	24,841	55,982	133,501	166,488	220,197	387,845

1/ Includes bran, cracked corn for animal feed, corn gluten feed, hominy feed, corn grits for animal feed and corn gluten meal.

Table 5.--WHEAT BY-PRODUCTS 1/: U.S. exports by destination, average 1956-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1956-60 2/	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	44	104	303	440	266	1,919
Mexico	28	6	--	7	36	--
British Honduras	--	46	68	58	30	18
Costa Rica	23	499	538	689	551	--
El Salvador	19	547	816	1,601	677	--
Guatemala	13	1,118	1,590	1,459	560	--
Honduras	--	14	10	46	--	--
Nicaragua	1	107	--	--	--	--
Panama	20	--	10	--	--	--
Bahamas	4	--	55	45	31	25
Barbados	234	304	50	--	201	--
Bermuda	15	406	74	199	--	5
Cuba	96	--	--	--	--	--
Dominican Republic	82	19	199	211	241	--
Haiti	--	34	11	--	--	--
Jamaica	70	1,379	1,221	660	125	132
Leeward and Windward Islands	--	--	21	32	34	--
Netherlands Antilles	136	1,908	2,212	2,006	994	48
Trinidad and Tobago	130	56	282	10	--	--
Bolivia	--	--	22	--	--	--
Colombia	5	251	303	272	58	--
Ecuador	43	976	233	772	637	--
Guyana	--	13	48	--	--	--
Peru	411	54	41	36	18	--
Surinam	43	107	39	7	--	--
Venezuela	207	1,343	1,268	403	143	11
Total	1,624	9,291	9,414	8,953	4,602	2,158
Europe:						
EEC Countries:						
Germany, West	--	--	--	--	--	994
Italy	14	--	--	--	--	--
Netherlands	726	--	2,618	--	672	23,069
Sub-total	740	--	2,618	--	672	24,063
Other Western Europe:						
Cyprus	--	--	123	134	66	--
Greece	--	12	--	--	--	--
Iceland	174	--	--	--	116	479
Portugal	--	--	--	15	--	--
Spain	--	--	49	827	439	--
Switzerland	--	--	--	--	--	1,252
United Kingdom	3,396	--	--	--	--	--
Sub-total	3,570	12	172	976	621	1,731
Total	4,310	12	2,790	976	1,293	25,794
Asia:						
Ceylon	--	--	142	--	--	--
Hong Kong	138	--	333	107	701	--
Japan	41,559	21,023	34,088	8,003	27,923	53,211
Korea, Republic of	2	--	--	--	--	--
Lebanon	--	--	--	--	188	--
Malaysia	--	--	--	198	139	--
Philippines	--	--	--	--	13	--
Saudi Arabia	17	--	--	--	--	--
Taiwan	--	--	--	--	--	554
Total	41,716	21,023	34,563	8,308	28,964	53,765
Africa:						
Ghana	--	6	--	--	--	--
Liberia	6	9	--	--	--	--
Total	6	15	--	--	--	--
Oceania:						
Trust Territory	--	--	--	3	--	--
Total	--	--	--	3	--	--
World total	47,656	30,341	46,767	18,240	34,859	81,717

1/ Includes bran, cracked wheat feed, crushed wheat feed, mixed wheat feed, flakes, middlings, red dog, scalpings, screenings and shorts. 2/ Four year average 1956-60, Fiscal Year 1955-56 is included with "Fodders and Feeds, N.E.C".

Table 6.--POULTRY FEEDS, PREPARED OR MIXED 1/: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	288	384	428	185	1,115	2,392
Mexico	17,944	12,009	16,962	21,085	21,630	25,418
British Honduras	415	740	805	589	883	804
Canal Zone	76	--	39	--	--	--
Costa Rica	7,425	4,618	5,180	4,559	4,796	2,439
El Salvador	1,400	1,828	2,664	1,791	2,440	2,357
Guatemala	2,267	4,087	3,347	4,541	4,369	5,518
Honduras	108	361	308	151	171	117
Nicaragua	117	667	1,000	1,517	2,155	2,203
Panama	1,601	603	707	542	457	438
Bahamas	4,436	5,391	5,838	6,988	8,333	9,428
Barbados	1,976	3,178	3,163	3,821	3,295	4,338
Bermuda	4,502	6,125	5,838	5,739	2,641	3,398
Cuba	12,119	--	--	--	--	--
Dominican Republic	695	801	1,977	4,784	6,966	8,247
French West Indies	116	177	156	221	144	902
Haiti	291	407	344	277	307	245
Jamaica	10,011	17,802	19,016	19,686	14,141	16,881
Leeward and Windward Islands	399	1,615	1,367	1,402	1,479	2,042
Netherlands Antilles	7,588	6,161	5,609	5,409	5,684	7,334
Trinidad and Tobago	11,139	16,678	10,927	10,866	7,154	6,943
Argentina	--	--	--	--	--	7
Bolivia	8	180	644	799	901	1,458
Brazil	1	23	--	--	--	--
Chile	--	102	69	41	88	88
Colombia	1,612	114	39	27	89	251
Ecuador	345	898	463	940	1,248	1,772
French Guiana	49	--	--	--	--	--
Guyana	2,910	4,797	3,010	4,107	4,770	5,490
Paraguay	--	--	--	--	--	57
Peru	32	110	41	195	118	332
Surinam	949	2,779	1,953	2,735	3,030	2,875
Uruguay	--	--	--	10	--	--
Venezuela	5,345	463	212	400	748	194
Total	96,164	93,098	92,106	103,407	99,152	113,968
Europe:						
EEC Countries:						
Belgium-Luxembourg	60	--	658	--	70	106
France	--	--	--	--	435	452
Germany, West	11	137	592	114	846	742
Italy	301	1,324	2,105	2,417	3,548	3,671
Netherlands	12	2	635	136	1,252	45
Sub-total	384	1,463	3,990	2,667	6,151	5,016
Other Western Europe:						
Austria	--	--	--	--	--	38
Azores	--	--	--	--	22	9
Cyprus	--	12	12	--	--	146
Denmark	--	79	--	--	200	43
Finland	--	--	--	--	--	23
Greece	8	80	136	620	892	560
Iceland	2,138	3,758	3,956	6,374	5,983	5,117
Ireland	--	36	9	18	26	198
Malta and Gozo	--	30	6	--	45	60
Norway	--	5	--	--	98	6
Portugal	--	--	--	--	61	24
Spain	--	372	369	447	3,204	2,711
Sweden	5	--	--	8	36	255
Switzerland	--	--	--	9	29	36
United Kingdom	--	--	518	23	2,796	5,911
Sub-total	2,151	4,372	5,006	7,499	13,392	15,137

Table 6.--POULTRY FEEDS, PREPARED OR MIXED 1/: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1 (Continued)

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Europe: (Continued)						
Eastern Europe:						
Poland	31	530	--	--	--	--
Yugoslavia	--	--	--	14	43	32
Sub-total	31	530	--	14	43	32
Total	2,566	6,365	8,996	10,180	19,586	20,185
Asia:						
Arabia Peninsula States, n.e.c.	--	65	--	--	70	7
Bahrain	5	--	5	48	33	4
Burma	--	--	--	20	--	--
Ceylon	--	--	--	--	--	7
Hong Kong	149	5,801	9,256	8,298	10,313	13,257
India	--	--	--	--	16	--
Indonesia	--	--	--	10	--	--
Iran	--	--	--	--	149	1,562
Iraq	--	25	16	13	45	487
Israel	32	139	48	78	36	75
Japan	215	2,904	498	1,901	19,028	46,703
Jordan	7	252	272	575	265	92
Korea, Republic of	--	--	21	--	97	62
Kuwait	16	587	399	997	2,890	2,678
Lebanon	706	6,114	8,877	12,805	17,684	19,096
Macao	--	--	--	--	55	--
Malaysia	6	275	423	518	1,364	2,183
Nansei and Nanpo Islands	4	--	--	10	44	15
Pakistan	--	6	--	--	--	--
Philippines	1,578	326	238	175	363	883
Saudi Arabia	55	45	154	604	2,453	5,177
Singapore	--	--	--	--	--	1,525
Syrian Arab Republic	5	200	502	485	177	102
Taiwan	--	--	--	--	49	58
Thailand	--	29	4	--	8	89
Turkey	--	--	--	4	25	--
Vietnam, South	2/ 73	--	--	76	--	6
Total	2,851	16,768	20,713	26,617	55,164	94,068
Africa:						
Canary Islands	--	--	--	--	108	492
Congo (Kinshasa)	4	99	323	--	--	6
Ghana	7	423	182	618	702	95
Guinea	--	--	--	--	--	21
Liberia	471	1,591	2,781	515	615	957
Libya	13	--	4	--	16	27
Malagasy Republic	--	--	--	10	--	--
Malawi	--	--	--	--	--	76
Mozambique	--	--	--	2	--	--
Nigeria	10	5	25	2	--	2
Rhodesia	--	--	--	--	--	67
Senegal	--	--	--	--	14	--
Somali Republic	--	--	51	--	--	--
South Africa, Republic of	--	4	--	--	--	--
Togo	--	--	--	--	11	17
Tunisia	--	16	7	7	--	--
United Arab Republic	--	9	--	--	--	--
Western Africa, n.e.c.	--	--	--	12	--	--
Total	505	2,147	3,373	1,166	1,466	1,760
Oceania:						
Australia	2	31	--	--	56	31
French Pacific Islands	329	381	362	724	792	1,169
New Zealand	--	--	--	--	--	20
Trust Territory	60	101	100	61	40	53
Total	391	513	462	785	888	1,273
World total	102,477	118,891	125,650	142,155	176,256	231,254

1/ Includes feather meal, mash, laying mash and turkey pellets. 2/ Includes Vietnam, Laos and Cambodia.

Table 7.--DAIRY FEEDS, PREPARED OR MIXED 1/: U.S. exports by destination, average 1956-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1956-60 2/	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	231	1,249	861	436	662	751
Mexico	467	495	278	124	1,849	1,390
British Honduras	12	--	20	8	18	27
Canal Zone	814	--	--	--	--	--
Costa Rica	295	293	614	162	209	236
El Salvador	128	238	212	193	277	245
Guatemala	99	50	27	64	39	33
Honduras	8	--	6	2	2	11
Nicaragua	11	46	63	58	122	69
Panama	333	226	111	47	55	131
Bahamas	351	463	553	682	518	446
Barbados	219	485	293	260	358	513
Bermuda	335	101	219	1,463	4,331	5,297
Cuba	639	--	--	--	--	--
Dominican Republic	52	78	50	167	436	184
French West Indies	5	4	20	8	14	--
Haiti	4	54	--	--	4	--
Jamaica	185	123	271	500	526	466
Leeward and Windward Islands	12	--	2	50	97	33
Netherlands Antilles	536	238	277	277	314	356
Trinidad and Tobago	162	238	169	69	53	21
Argentina	--	--	--	--	6	2
Bolivia	--	--	--	--	--	1
Brazil	--	20	--	--	12	--
Chile	--	--	4	--	--	6
Colombia	153	35	8	--	6	2
Ecuador	10	8	--	--	3	1
Guyana	61	181	120	112	80	61
Paraguay	--	--	6	5	4	6
Peru	54	3	10	3	25	142
Surinam	48	120	54	130	11	49
Venezuela	202	359	145	25	101	97
Total	5,426	5,107	4,393	4,845	10,132	10,576
Europe:						
EEC Countries:						
Belgium-Luxembourg	144	21	--	--	--	--
France	--	--	--	--	5	--
Germany, West	--	665	1,431	10	--	--
Italy	280	266	425	468	675	723
Netherlands	--	--	173	492	345	1,237
Sub-total	424	952	2,029	970	1,025	1,960
Other Western Europe:						
Azores	--	--	--	--	3	6
Denmark	100	--	67	--	2	--
Greece	2	9	18	19	37	40
Iceland	1,381	983	440	958	666	590
Portugal	1	--	--	--	67	66
Spain	--	14	346	17	40	23
Switzerland	--	--	89	--	75	--
United Kingdom	--	--	--	--	--	8
Sub-total	1,484	1,006	960	994	890	733
Eastern Europe:						
Hungary	--	--	--	--	--	5
Sub-total	--	--	--	--	--	5
Total	1,908	1,958	2,989	1,964	1,915	2,698

Table 7.—DAIRY FEEDS, PREPARED OR MIXED 1/: U.S. exports by destination, average 1956-60, annual 1961-62 through 1965-66, year beginning July 1 (Continued)

Destination	Average 1956-60 2/	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Asia:						
Arabia Peninsula States, n.e.c.	--	--	16	--	--	--
Bahrain	--	--	--	4	--	--
Hong Kong	--	21	35	71	48	54
Iran	--	--	--	--	52	--
Iraq	--	--	--	--	1	3
Israel	--	--	--	--	23	--
Japan	--	89	10	39	1,425	8,888
Jordan	--	--	--	--	--	3
Korea, Republic of	--	--	--	34	12	11
Kuwait	--	106	--	--	2	--
Lebanon	--	198	177	216	332	--
Malaysia	4	--	36	116	72	39
Nansei and Nanpo Islands, n.e.c.	--	--	--	--	65	25
Pakistan	--	--	3	12	10	6
Philippines	24	67	--	17	28	22
Saudi Arabia	8	--	75	--	378	21
Singapore	--	--	--	--	--	48
Syrian Arab Republic	--	--	8	--	--	--
Taiwan	--	--	--	--	21	--
Thailand	--	12	60	78	102	72
Total	36	493	420	587	2,571	9,192
Africa:						
Angola	--	--	--	--	4	22
Canary Islands	--	--	4	--	--	--
Ivory Coast	--	--	--	23	--	--
Kenya	--	--	--	--	--	1
Liberia	2	--	22	--	--	--
Libya	--	--	--	--	10	22
Mauritius	--	--	--	--	9	--
Mozambique	--	--	--	--	19	38
Somali Republic	--	--	6	--	--	--
South Africa, Republic of	--	8	20	--	61	32
Total	2	8	52	23	103	115
Oceania:						
Australia	--	--	--	--	28	3
French Pacific Islands	11	6	15	6	--	22
Total	11	6	15	6	28	25
World total	7,383	7,572	7,869	7,425	14,749	22,606

1/ Includes calf meal, Con-d-Mineral, mixed cattle feed, prepared or mixed cow feed and Hon-E-Mix. 2/ Four year average 1956-60, Fiscal year 1955-56 is included with "Fodders and Feeds, N.E.C.".

Table 8.--FODDERS AND FEEDS, N.E.C. 1/: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	33,988	26,789	22,337	17,487	15,375	18,089
Mexico	15,404	5,852	5,143	7,410	8,573	3,112
British Honduras	8	--	7	17	55	105
Canal Zone	614	4	30	50	--	--
Costa Rica	401	146	641	545	657	1,238
El Salvador	244	479	1,162	622	1,880	2,369
Guatemala	452	545	1,138	1,140	742	572
Honduras	89	86	109	173	325	445
Nicaragua	62	422	93	198	123	310
Panama	733	1,065	861	783	802	1,030
Bahamas	498	639	754	1,067	1,481	1,377
Barbados	339	751	833	847	427	784
Bermuda	1,681	551	1,965	1,541	1,554	848
Cuba	5,192	--	--	--	--	--
Dominican Republic	574	105	324	931	617	1,155
French West Indies	--	12	53	11	14	2
Haiti	56	87	61	34	33	22
Jamaica	1,195	2,101	3,080	3,515	2,590	2,027
Leeward and Windward Islands	13	39	90	54	98	254
Netherlands Antilles	1,067	317	542	357	370	1,251
Trinidad and Tobago	1,547	5,297	5,548	4,227	2,372	1,398
Argentina	6	--	--	21	--	--
Bolivia	--	9	--	91	5	6
Brazil	83	202	65	80	105	918
Chile	--	161	9	10	4	196
Colombia	1,022	417	1,150	407	241	398
Ecuador	156	67	113	262	156	49
French Guiana	2	--	--	--	--	--
Guyana	211	150	163	239	114	130
Paraguay	--	--	--	--	179	--
Peru	219	320	256	275	545	414
Surinam	102	185	233	504	381	473
Uruguay	--	48	25	76	45	8
Venezuela	5,475	12,634	11,979	13,378	13,456	16,243
Total	71,433	59,480	58,764	56,352	53,329	55,223
Europe:						
EEC Countries:						
Belgium-Luxembourg	19,435	13,577	38,744	11,523	8,280	8,267
France	1,945	15,461	35,758	11,033	28,656	1,889
Germany, West	7,164	18,568	30,329	42,175	23,923	3,017
Italy	3,455	6,614	21,699	17,100	8,104	3,834
Netherlands	9,852	38,191	185,016	165,222	136,968	93,796
Sub-total	41,851	92,411	311,546	247,053	205,931	110,803
Other Western Europe:						
Austria	71	60	--	31	--	330
Azores	--	--	--	--	--	6
Cyprus	--	--	--	50	--	4
Denmark	10,237	14,570	6,531	7,566	9,563	1,352
Finland	41	103	134	670	586	--
Greece	1,163	252	293	101	256	148
Iceland	2,011	36	14	24	270	878
Ireland	735	24	43	64	97	198
Malta and Gozo	--	4	--	--	6	--
Norway	711	102	6,763	269	350	109
Portugal	1	--	48	342	143	333
Spain	590	806	5,719	1,120	1,024	149
Sweden	464	286	801	270	139	387
Switzerland	5,449	632	5,020	2,753	10,385	5,698
United Kingdom	44,462	21,979	15,220	6,209	17,825	12,854
Sub-total	65,935	38,854	40,586	19,469	40,644	22,446
Eastern Europe:						
Poland	--	167	--	--	--	--
U.S.S.R.	17	--	--	--	--	--
Yugoslavia	--	--	5,434	248	--	--
Sub-total	17	167	5,434	248	--	--
Total	107,803	131,432	357,566	266,770	246,575	133,249

Table 8.--FODDERS AND FEEDS, N.E.C. 1/: U.S. exports by destination, average 1955-60, annual 1961-62 through 1965-66, year beginning July 1 (Continued)

Destination	Average 1955-60	1961-62	1962-63	1963-64	1964-65	1965-66
	Short tons	Short tons	Short tons	Short tens	Short tons	Short tons
Asia:						
Aden	--	--	--	--	--	2
Afghanistan	--	--	--	4	--	--
Arabia Peninsula States	1	--	20	--	7	1
Bahrain	--	--	8	10	8	5
Ceylon	1	--	60	137	116	115
Hong Kong	479	3,099	4,145	2,381	1,769	1,518
India	--	37	72	31	5	35
Indonesia	--	--	--	10	--	--
Iran	4	--	85	--	2	207
Iraq	--	5	5	--	--	--
Israel	2,224	282	296	340	224	49
Japan	15,340	82,150	169,653	213,380	245,163	306,693
Jordan	--	18	100	6	7	19
Korea, Republic of	66	6	--	441	79	32
Kuwait	2	21	53	7	26	74
Lebanon	141	316	138	516	457	241
Macao	6	--	--	--	--	--
Malaysia	82	401	727	770	685	338
Nansei and Nanpo Islands	28	11	39	60	300	939
Nepal	--	--	--	--	--	2
Pakistan	3	--	6	9	5	5
Philippines	1,996	920	568	633	890	1,037
Saudi Arabia	45	2	50	--	28	221
Singapore	--	--	--	--	--	559
Syrian Arab Republic	--	61	--	--	--	--
Taiwan	11	7	--	49	56	4,203
Thailand	16	79	116	182	34	41
Turkey	4	171	375	97	63	74
Vietnam, South	--	2	--	127	374	345
Total	20,449	87,588	176,516	219,190	250,300	316,755
Africa:						
Angola	--	--	--	6	--	22
British West Africa	--	--	--	--	5	--
Burundi and Rwanda	--	--	--	--	--	2
Canary Islands	--	--	7	--	11	141
Congo (Kinshasa)	14	74	38	--	--	19
Ethiopia	2	--	--	--	--	2
Ghana	4	6	8	50	18	62
Guinea	--	--	--	--	2	4
Kenya	--	3/	3/	3/	--	23
Liberia	49	96	50	80	94	193
Libya	12	83	65	39	173	99
Morocco	17	--	--	--	--	--
Mozambique	--	--	--	12	--	3
Nigeria	1	5	--	--	12	10
South Africa, Republic of	--	47	24	143	63	50
Tanganyika	--	3/	3/	3/	--	2
Togo	--	--	14	--	--	--
Tunisia	--	--	78	--	--	--
Uganda	--	2/ 6	2/ 10	2/ 6	--	2
United Arab Republic	2	--	--	--	--	6
Western Africa, n.e.c.	--	--	--	--	--	42
Zanzibar	--	3/	3/	3/	--	--
Total	101	317	294	336	378	682
Oceania:						
Australia	124	267	346	182	25	189
British West Pacific Islands	--	--	--	--	--	2
French Pacific Islands	4	36	12	13	102	21
New Zealand	7	2	--	--	--	172
Trust Territory	9	--	28	34	--	12
Total	144	305	386	229	127	396
World total	199,930	279,122	593,526	542,877	550,709	506,305

1/ Includes unmilled cereal grains, n.e.c.; cereal flours (except flour of wheat and meslin); cereal meal and groats, n.e.c.; rice bran and polishings; bran, pollard and other by-products from working of cereal grains, n.e.c.; prepared livestock feeds, except dairy; dog and cat food, dehydrated alfalfa meal; sun-cured alfalfa meal; and prepared animal feeds, n.e.c. 2/ Includes Uganda, Kenya, Tanganyika, and Zanzibar. 3/ Included in figure for Uganda.

Table 9.--FODDERS AND FEEDS, N.E.C.: U.S. exports by destination, for 1965-66, year beginning July 1

Destination	Cereal Grains, Unmilled, N.E.C. 1/	Cereal Flours, Except Flour of Wheat and Meslin 2/	Cereal Meal and Groats N.E.C. 3/	Rice Bran and Polishings	Bran, Pollard and Other By-Products N.E.C. 4/	Livestock Feed, Prepared Except Dairy 5/
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:						
Canada	729	7,120	668	454	50	2,467
Mexico	551	28	9	--	--	118
British Honduras	--	--	2	--	--	97
Costa Rica	4	--	5	--	29	174
El Salvador	13	32	--	--	--	31
Guatemala	5	33	--	--	--	53
Honduras	--	24	--	--	--	65
Nicaragua	1	155	--	--	--	103
Panama	8	100	87	--	--	129
Bahamas	--	--	23	6	6	868
Barbados	--	--	--	--	--	595
Bermuda	11	--	18	--	--	475
Dominican Republic	1	730	151	--	50	17
French West Indies	--	--	--	--	--	2
Haiti	--	--	--	--	--	--
Jamaica	4	59	153	320	--	911
Leeward and Windward Islands	--	25	79	--	--	99
Netherlands Antilles	12	25	644	--	--	215
Trinidad and Tobago	--	--	100	--	--	127
Bolivia	--	--	--	--	--	6
Brazil	--	--	--	--	--	918
Chile	--	2	--	--	--	194
Colombia	2	--	--	--	--	396
Ecuador	13	--	--	--	--	31
Guyana	--	--	--	--	--	83
Peru	7	166	--	--	--	171
Surinam	--	107	--	--	--	202
Uruguay	--	--	--	--	--	8
Venezuela	211	56	30	--	--	179
Total	1,572	8,662	1,969	780	135	8,734
Europe:						
EEC Countries:						
Belgium-Luxembourg	564	8	--	1,118	289	467
France	1,044	11	28	--	697	77
Germany, West	994	--	--	--	524	47
Italy	523	21	4	--	44	307
Netherlands	617	2	--	17,800	7,121	99
Sub-total	3,742	42	32	18,918	8,675	997
Other Western Europe:						
Austria	--	--	--	--	--	327
Azores	--	6	--	--	--	--
Cyprus	--	--	--	--	--	--
Denmark	66	--	--	1,034	110	129
Greece	--	--	2	--	--	135
Iceland	33	--	830	--	--	--
Ireland	1	--	--	--	--	172
Norway	16	2	--	--	--	81
Portugal	--	223	--	--	--	110
Spain	--	--	--	--	--	100
Sweden	71	--	--	--	41	244
Switzerland	82	--	6	2,592	22	331
United Kingdom	1,406	40	11	4,835	186	39
Sub-total	1,675	271	849	8,461	359	1,668
Total	5,417	313	881	27,379	9,034	2,665

Table 9.--FODDERS AND FEEDS, N.E.C.: U.S. exports by destination, for 1965-66, year beginning July 1

Dog and Cat Food 6/	Alfalfa Meal, Dehydrated	Alfalfa Meal, Sun-cured	Prepared Animal Feeds, N.E.C. 7/	Total	Destination
Short tons	Short tons	Short tons	Short tons	Short tons	
					Western Hemisphere:
3,813	2,602	183	3	18,089	Canada
2,065	311	28	2	3,112	Mexico
6	--	--	--	105	British Honduras
74	952	--	--	1,238	Costa Rica
123	2,170	--	--	2,369	El Salvador
216	160	105	--	572	Guatemala
22	334	--	--	445	Honduras
31	20	--	--	310	Nicaragua
62	604	40	--	1,030	Panama
464	4	6	--	1,377	Bahamas
119	50	20	--	784	Barbados
344	--	--	--	848	Bermuda
26	180	--	--	1,155	Dominican Republic
--	--	--	--	2	French West Indies
22	--	--	--	22	Haiti
300	280	--	--	2,027	Jamaica
51	--	--	--	254	Leeward and Windward Islands
351	4	--	--	1,251	Netherlands Antilles
573	597	--	1	1,398	Trinidad and Tobago
--	--	--	--	6	Bolivia
--	--	--	--	918	Brazil
--	--	--	--	196	Chile
--	--	--	--	398	Colombia
5	--	--	--	49	Ecuador
47	--	--	--	130	Guyana
70	--	--	--	414	Peru
14	90	60	--	473	Surinam
--	--	--	--	8	Uruguay
65	15,303	399	--	16,243	Venezuela
8,863	23,661	841	6	55,223	Total
					Europe:
					EEC Countries:
1	1,253	4,567	--	8,267	Belgium-Luxembourg
32	--	--	--	1,889	France
11	1,441	--	--	3,017	Germany, West
289	2,500	146	--	3,834	Italy
371	54,474	13,311	1	93,796	Netherlands
704	59,668	18,024	1	110,803	Sub-total
					Other Western Europe:
3	--	--	--	330	Austria
--	--	--	--	6	Azores
4	--	--	--	4	Cyprus
13	--	--	--	1,352	Denmark
11	--	--	--	148	Greece
--	15	--	--	878	Iceland
25	--	--	--	198	Ireland
10	--	--	--	109	Norway
--	--	--	--	333	Portugal
48	--	--	1	149	Spain
31	--	--	--	387	Sweden
1,037	1,628	--	--	5,698	Switzerland
1,133	5,195	--	9	12,854	United Kingdom
2,315	6,838	--	10	22,446	Sub-total
3,019	66,506	18,024	11	133,249	Total

Table 9.--FODDERS AND FEEDS, N.E.C.: U.S. exports by destination, for 1965-66, year beginning July 1 (Continued)

Destination	Cereal Grains, Unmilled, N.E.C. 1/	Cereal Flours, Except Flour of Wheat and Meslin 2/	Cereal Meal and Groats N.E.C. 3/	Rice Bran and Polishings	Bran Pollard and Other By-Products N.E.C. 4/	Livestock Feed, Prepared Except Dairy 5/
	Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Asia:						
Aden	--	--	--	--	--	--
Arabia Peninsula States	--	--	--	--	--	--
Bahrain	--	--	--	--	--	--
Ceylon	--	--	--	--	--	115
Hong Kong	1	--	--	--	--	124
India	25	2	--	--	--	--
Iran	--	--	--	--	--	196
Israel	22	--	--	--	--	9
Japan	27,595	--	143	--	3,242	472
Jordan	1	--	--	--	--	--
Korea, Republic of	--	4	--	--	--	28
Kuwait	1	--	--	--	--	55
Lebanon	6	--	--	--	--	111
Malaysia	--	--	--	--	--	140
Nansei and Nanpo Islands	--	23	3	--	--	153
Nepal	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--
Philippines	5	147	--	--	--	190
Saudi Arabia	166	24	--	--	--	--
Singapore	--	--	--	--	--	446
Taiwan	1	--	--	--	4,191	11
Thailand	--	--	--	--	--	40
Turkey	--	--	--	--	--	74
Vietnam, South	--	--	--	--	--	345
Total	27,823	200	146	--	7,433	2,509
Africa:						
Angola	--	20	--	--	--	2
Burundi and Rwanda	--	2	--	--	--	--
Canary Islands	--	136	--	--	--	--
Congo (Kinshasa)	--	19	--	--	--	--
Ethiopia	--	--	--	--	--	1
Ghana	--	--	--	18	--	38
Guinea	--	4	--	--	--	--
Kenya	--	1	8	--	--	14
Liberia	--	4	--	--	--	122
Libya	--	--	--	--	--	8
Mozambique	--	--	--	--	--	3
Nigeria	1	--	--	--	--	9
South Africa, Republic of	41	7	2	--	--	--
Tanganyika	--	--	--	--	--	--
Uganda	--	--	--	--	--	--
United Arab Republic	--	6	--	--	--	--
Western Africa, n.e.c.	--	--	--	--	--	--
Total	42	199	10	18	--	197
Oceania:						
Australia	--	--	--	--	--	43
British West Pacific Islands	--	--	--	--	--	--
French Pacific Islands	--	5	--	--	--	11
New Zealand	61	--	44	--	67	--
Trust Territory	--	--	--	--	--	10
Total	61	5	44	--	67	64
World total	34,915	9,379	3,050	28,177	16,669	14,169

1/ Includes buckwheat, buckwheat seed, bird seed, canary seed and wild rice. 2/ Includes flour of the following: buckwheat, barley, corn, milo and/or sorghum, oats, pumpernickel, rice and rye. 3/ Includes grits of the following: flour, milo and pearl barley; meal of the following: feterita seed, milo, rice, rye and sorghum; granulated rice; and milled wild rice. 4/ Includes oat blowings and clippings, rice middlings, rye middlings, rye offal, grain scalpings, seed scourings, barley screenings, garbanzo screenings, and grain screenings. 5/ Includes Arcadian urea feed mixture, sweetened clover, prepared or mixed hog feed, sweetened forage, Hi-Nutra, hog finisher (pre. feed for hogs), mixed horse feed, mixed mule feed prepared or mixed pig feed, and terralac.

Table 9.--FODDERS AND FEEDS, N.E.C.: U.S. exports by destination, for 1965-66, year beginning July 1 (Continued)

Dog and Cat Food 6/	Alfalfa Meal, Dehydrated	Alfalfa Meal, Sun-cured	Animal Feeds, N.E.C. 7/	Total	Destination
Short tons	Short tons	Short tons	Short tons	Short tons	
					Asia:
2	--	--	--	2	Aden
1	--	--	--	1	Arabia Peninsula States
5	--	--	--	5	Bahrain
--	--	--	--	115	Ceylon
34	1,298	60	1	1,518	Hong Kong
8	--	--	--	35	India
11	--	--	--	207	Iran
--	--	18	--	49	Israel
1,821	117,175	156,244	1	306,693	Japan
18	--	--	--	19	Jordan
--	--	--	--	32	Korea, Republic of
18	--	--	--	74	Kuwait
25	99	--	--	241	Lebanon
187	11	--	--	338	Malaysia
3	313	444	--	939	Nansei and Nanpo Islands
2	--	--	--	2	Nepal
5	--	--	--	5	Pakistan
114	60	521	--	1,037	Philippines
31	--	--	--	221	Saudi Arabia
113	--	--	--	559	Singapore
--	--	--	--	4,203	Taiwan
1	--	--	--	41	Thailand
--	--	--	--	74	Turkey
--	--	--	--	345	Vietnam, South
2,399	118,956	157,287	2	316,755	Total
					Africa:
--	--	--	--	22	Angola
--	--	--	--	2	Burundi and Rwanda
5	--	--	--	141	Canary Islands
--	--	--	--	19	Congo (Kinshasa)
1	--	--	--	2	Ethiopia
6	--	--	--	62	Ghana
--	--	--	--	4	Guinea
--	--	--	--	23	Kenya
67	--	--	--	193	Liberia
91	--	--	--	99	Libya
--	--	--	--	3	Mozambique
--	--	--	--	10	Nigeria
--	--	--	--	50	South Africa, Republic of
2	--	--	--	2	Tanganyika
2	--	--	--	2	Uganda
--	--	--	--	6	United Arab Republic
42	--	--	--	42	Western Africa, n.e.c.
216	--	--	--	682	Total
					Oceania:
146	--	--	--	189	Australia
2	--	--	--	2	British West Pacific Islands
5	--	--	--	21	French Pacific Islands
--	--	--	--	172	New Zealand
2	--	--	--	12	Trust Territory
155	--	--	--	396	Total
14,652	209,123	176,152	19	506,305	World total

6/ Includes dog biscuits, fish cat food, meat dog food and Lolli pups. 7/ Includes bird biscuits, fish food, fox food, rabbit chow, rabbit feed and rat chow.

Since 1950-51, exports of prepared or mixed dairy feeds had not exceeded 8,000 short tons except in 1956-57, 1964-65 and 1965-66. Shipments reached a record 23,000 tons during 1965-66 with Japan and Bermuda taking 39 and 23 percent, respectively. (Table 7). Exports to all other markets were well scattered with only Mexico and the Netherlands receiving more than 1,000 tons.

Exports of fodders and other feeds (including concentrates) not elsewhere classified fluctuated widely from year to year during the 12 year period 1950-51 through 1961-62. The peak shipment of 594,000 short tons for fodders and feeds was during 1962-63, and since that time have gradually declined to 506,000 tons exported in 1965-66 (Table 8). The tremendous increase in 1962-63, which more than doubled the previous year, was caused mainly be the needs of the countries in the EEC. Substantial gains in shipments were also made to Japan. These increases were influenced largely by greater use of alfalfa meal and pellets which are manufactured from dehydrated alfalfa, and used extensively in poultry feeds as a supplemental source of vitamin A, xanthrophyll and protein.

Most of the decline in exports during the last 3 years has been to the EEC countries due to their improved hay and pasture crops, plus growth in the grass and legume dehydrating industry. Shipments to Japan have continued an upward climb and they are now the principal market receiving 61 percent of the total.

A remarkable upward trend of alfalfa meal production and exports has taken place in recent years. In 1965-66 production reached a new record of over 2.0 million short tons. This was 12 percent more than in 1964-65 and about one-third larger than 5 years ago. Indications are that much of the increase in production has gone into export. Since 1950 Japan has been the leading market for exports of U.S. alfalfa meal. During 1963-64 they received 119,000 short tons, 210,000 tons were shipped during 1964-65, this past fiscal year 273,000 tons were exported to meet their demands. This represents 71 percent of total shipments in 1965-66. The next leading market was the Netherlands taking 18 percent of the total shipments of 385,000 tons.

Beginning with 1965-66, a breakdown by commodity is shown for fodders and feeds (Table 9). The principal items of dehydrated and sun-cured alfalfa meal consist of 41 and 35 percent, respectively, of total shipments. The next important item in this category is unmilled cereal grains, n.e.c. with 35,000 tons or 7 percent of the total exports of 506,000 tons.

Exports of corn, poultry, wheat and dairy feeds are 489,000 short tons during July 1966-March 1967 as compared to 584,000 tons in the same 9 months of 1965-66. In comparison, fodders and feeds, n.e.c. are 369,000 tons compared to 348,000. However, all of the increase in fodders and feeds is due to a 17 percent increase in dehydrated and sun-cured alfalfa meal.

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WORLD CORN PRODUCTION SETS RECORD IN 1966

World corn production in 1966 is now estimated at a record 225 million metric tons, 9 percent above the 1965 crop and 17 percent above the 1960-64 5-year average, according to the latest information available to the Foreign Agricultural Service. 1966 world corn acreage is estimated at 24.7 million acres, 5 percent larger than the previous year.

The sharpest increases in production were in Europe, South America, and Africa, as excellent moisture supplies and good weather prevailed in these areas. Over the longer range, better technology, especially the use of improved seed and more fertilizer, is raising corn yields in countries around the world to expand the total crop.

North America produced 116 million tons of corn in 1966, up one percent from 1965. Crops were larger generally throughout the region. Canada had record production at 1.6 million tons, up 6 percent, with a yield of 81.9 bushels per acre, the world's highest. Corn production in the United States was at a new high of 104.2 million tons, slightly above the previous high in 1965. U.S. acreage was up 2 percent from the previous season, although 5 percent below the 1960-64 average. Mexico also had a record corn crop, estimated at 8.2 million tons, 9 percent above 1965.

The South American corn crop is estimated at 24.6 million tons, 22 percent above 1965. The Argentine crop is reported at 9.0 million tons, up 29 percent from last year's good outturn, as acreage gained 10 percent. This is the largest Argentine crop since 1940. Brazil's production is estimated at a record 12.5 million tons, 25 percent over 1965 and 3 percent above the previous high in 1964.

CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1965-66 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	Average 1960-64	1965	1966 4/	1965	1966 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada	498	752	771	70.9	79.3	81.9	897	1,515	1,603	59.6	63.1
United States	59,876	55,332	56,888	62.5	73.8	72.1	94,562	103,742	104,224	4,084.3	4,103.3
El Salvador	448	477	513	17.2	16.8	20.4	196	203	266	8.0	10.5
Guatemala	1,682	1,726	1,900	13.3	15.5	16.7	570	678	805	26.7	31.7
Honduras	959	1,040	--	12.5	13.5	--	303	356	--	14.0	12.7
Mexico	15,416	17,297	18,533	15.5	17.1	17.4	6,064	7,500	8,200	295.3	322.8
Nicaragua	353	483	500	13.9	13.9	14.6	124	171	185	6.7	7.3
Total 5/	80,640	78,480	81,550	50.4	57.5	56.0	103,220	114,600	116,080	4,511.6	4,570.0
South America:											
Argentina	7,008	8,093	8,928	28.0	34.2	39.9	4,984	7,040	9,054	277.2	356.4
Brazil	19,308	19,108	--	20.6	18.3	--	10,112	10,013	12,500	394.2	492.1
Chile	183	187	186	37.9	52.5	52.9	176	249	250	9.8	9.8
Colombia	1,814	2,026	1,730	17.5	16.9	18.2	807	870	800	34.3	31.5
Ecuador	508	519	519	11.7	12.9	13.7	151	170	180	6.7	7.1
Peru	843	890	914	22.6	22.6	23.7	485	510	550	20.1	21.7
Uruguay	563	527	531	10.3	13.5	10.0	147	180	135	7.1	5.3
Venezuela	1,058	1,141	1,160	17.2	18.4	18.9	461	521	557	20.5	21.9
Total 5/	32,290	33,550	37,530	21.7	23.6	25.8	17,810	20,080	24,560	790.5	966.9
Europe:											
EEC:											
France	2,229	2,147	2,370	46.4	62.7	67.2	2,625	3,420	4,047	134.6	159.3
Germany, West	41	66	78	37.6	57.4	64.1	39	96	127	3.8	5.0
Italy	2,816	2,538	2,438	52.2	51.5	56.7	3,732	3,317	3,510	130.6	138.2
Total EEC 5/	5,086	4,751	4,886	49.5	56.6	61.9	6,396	6,833	7,684	269.0	302.5
Austria	130	123	137	61.2	60.0	78.9	202	187	275	7.3	10.8
Greece	461	362	352	24.4	33.7	35.8	286	310	320	12.2	12.6
Portugal	1,208	1,195	1,302	18.3	15.1	16.2	562	459	537	18.1	21.1
Spain	1,146	1,201	1,127	36.9	37.4	40.6	1,074	1,142	1,163	45.0	45.8
Total Western Europe 5/	8,030	7,630	7,805	41.8	46.1	50.3	8,520	8,930	9,980	351.6	392.9
Bulgaria	1,601	1,371	1,431	40.7	35.5	58.7	1,655	1,238	2,135	48.7	84.1
Czechoslovakia	509	398	420	39.4	38.9	47.8	509	393	510	15.5	20.1
Hungary	3,226	3,010	3,089	40.3	46.6	47.0	3,304	3,564	3,688	140.3	145.2
Romania	8,305	8,169	8,211	27.4	28.3	38.2	5,784	5,877	7,971	231.4	313.8
Yugoslavia	6,118	6,301	6,178	36.4	37.0	50.9	5,664	5,920	7,980	233.1	314.2
Total Eastern Europe 5/	19,790	19,270	19,350	33.7	34.7	45.4	16,940	17,010	22,300	669.6	877.9
Total Europe 5/	27,820	26,900	27,155	36.0	38.0	46.8	25,460	25,940	32,280	1,021.2	1,270.8

U.S.S.R. (Europe and Asia) 6/	15,510	7,907	7,979	24.3	31.9	33.6	9,564	6,400	6,800	252.0	267.7
Africa:											
Morocco	1,122	1,072	1,083	11.0	10.0	5.6	314	272	154	10.7	6.1
United Arab Republic	1,793	1,713	1,661	40.0	48.3	52.1	1,823	2,100	2,200	82.7	86.6
Angola	1,465	--	--	10.9	--	--	407	340	--	13.4	--
Malagasy Republic	247	--	--	14.4	--	--	90	91	--	--	--
Rhodesia and Nyasaland, Federation of	2,960	--	--	23.2	--	--	1,748	1,957	2,126	77.0	83.7
Swaziland	--	210	--	--	8.1	--	--	43	--	1.7	--
South Africa, Republic of	13,106	13,095	--	15.5	15.2	--	5,147	5,056	8,242	199.0	324.5
Total 5/	34,510	34,030	36,410	17.2	17.9	21.1	15,120	15,420	19,510	607.1	768.1
Asia:											
Turkey	1,689	1,606	1,668	21.4	19.6	23.6	916	800	1,000	31.5	39.4
China, Mainland	--	--	--	--	--	--	11,580	--	--	--	--
Afghanistan	1,236	--	--	22.5	--	--	707	--	720	--	28.3
Taiwan	43	46	55	29.4	35.2	36.8	32	41	51	1.6	2.0
India	11,200	11,572	11,334	15.5	15.8	16.3	4,402	4,632	4,687	182.4	184.5
Indonesia	7,286	--	--	15.3	--	--	2,823	2,283	3,005	89.9	118.3
Japan	100	74	64	40.9	39.1	38.9	104	75	63	2.9	2.5
Pakistan	1,190	1,349	1,377	16.5	15.8	16.9	498	543	572	21.4	22.5
Philippines	4,759	5,204	5,317	10.2	10.4	10.5	1,230	1,380	1,419	54.3	55.9
Thailand	222	1,425	--	30.7	30.1	--	720	1,100	1,250	43.3	49.2
Total 5/	53,635	54,540	56,490	17.2	17.3	18.0	23,445	24,010	25,780	945.2	1,014.9
Oceania:											
Australia	206	197	228	33.6	24.9	35.1	176	125	203	4.9	8.0
New Zealand	8	9	10	77.8	100.0	80.0	16	23	20	0.9	0.8
Total Oceania	214	206	238	35.3	28.2	37.0	192	148	223	5.8	8.8
World Total 5/	244,620	235,610	247,150	31.4	34.5	35.9	194,810	206,600	225,230	8,133.4	8,866.9

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1966 is combined with preliminary estimates for the Southern Hemisphere harvest beginning early in 1967. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary estimates. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

In Western Europe, corn production of 10.0 million tons was up 12 percent, with yields up 9 percent. France had a record crop of 4.0 million tons, 18 percent above 1965, as acreage rose 10 percent. Italy's production was up 6 percent at 3.5 million tons.

The East European corn crop went up 31 percent on virtually the same acreage. All countries in the region showed gains. Romania and Yugoslavia each harvested an 8.0-million-ton record crop to show gains of 36 and 35 percent, respectively.

In the Soviet Union, 1966 corn production is estimated at 6.8 million tons, up 6 percent on the basis of improved per acre yield.

Corn production in Africa in 1966 is estimated at 19.5 million tons, 27 percent above 1965. Good moisture supplies benefited the crop generally in countries south of the Sahara. South Africa, which is susceptible to droughts, had good rains throughout the season and produced 8.2 million tons, 63 percent above 1965 and 35 percent above their previous record in 1963.

Corn production in Asia is estimated at 25.8 million tons, 7 percent higher than a year earlier. Turkey, Indonesia, and Thailand had appreciably better crops. In Australia the outturn was 7 percent above their previous high in 1962.

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JULY 1 GRAIN STOCKS IN EXPORTING COUNTRIES SHOW GAIN

Grain stocks on July 1, 1967 in the United States, Canada, Argentina, and Australia were about 3 percent higher than a year earlier according to estimates of the Foreign Agricultural Service. Stocks of wheat, rye, barley, oats, and corn in these 4 principal exporting countries totaled 101.4 million metric tons.

Wheat stocks on July 1 were 9 percent higher than a year earlier because of larger holdings in Canada and Australia as stocks in the United States and Argentina declined. Stocks of rye and oats were down 13 and 8 percent, respectively, with declines occurring in the United States, Canada and Argentina for both grains. Barley stocks were 29 percent larger, with all 4 countries holding larger amounts. Corn stocks were down 3 percent due mainly to a decline in the United States.

In addition to the five grains treated here the United States, on July 1, held 8.5 million tons of grain sorghum and Argentina 800,000 tons.

Present grain stocks combined with large world crops of wheat and feed grains should provide larger total grain supplies for the 1967-68 marketing season as compared with 1966-67.

The United States, having a record wheat crop, will have total wheat supplies estimated at 53.6 million tons in 1967-68, 7 percent above the 50.2 million tons of a year ago. Canada with a reduced wheat crop, will have wheat supplies estimated at 32.4 million tons, as compared with 36.1 in 1966-67.

GRAINS: Estimated Stocks in Principal Exporting Countries, July 1, 1950-1967

Country and year	Wheat	Rye	Barley	Oats	Corn	Total
	1,000 M. T.	1,000 M. T.	1,000 M. T.	1,000 M. T.	1,000 M. T.	1,000 M. T.
United States:						
Average 1950-54	14,259	202	1,606	3,619	31,903	51,589
Average 1955-59	28,059	316	3,219	4,582	48,690	84,866
1960	35,745	266	3,640	3,876	64,061	107,588
1961	38,410	361	3,318	4,709	71,741	118,539
1962	35,979	200	2,688	4,010	63,067	105,944
1963	32,529	176	3,181	3,960	54,099	93,945
1964	24,532	135	2,865	4,534	60,636	92,702
1965	22,240	326	2,167	4,014	48,094	76,841
1966	14,565	483	2,281	4,590	45,285	67,204
1967 1/	11,586	468	2,620	3,897	44,079	62,650
Canada:						
Average 1950-54	9,389	356	2,177	2,082	2/	14,004
Average 1955-59	17,772	432	2,983	2,606	2/	23,793
1960	17,146	254	3,048	2,005	2/	22,453
1961	17,554	229	2,830	2,236	2/	22,849
1962	11,567	152	1,524	1,696	2/	14,939
1963	14,142	127	2,286	2,776	2/	19,341
1964	14,560	203	2,939	3,239	2/	20,941
1965	14,884	224	2,158	2,440	232	19,938
1966	13,567	287	2,490	2,291	250	18,885
1967 1/	17,500	245	3,590	2,175	275	23,785
Argentina:						
Average 1950-54	2,912	406	457	566	2,311	6,652
Average 1955-59	4,300	483	588	508	3,531	9,410
1960	3,810	510	480	334	3,556	8,690
1961	2,722	254	435	580	3,556	7,547
1962	1,905	254	327	290	3,683	6,459
1963	2,585	205	305	360	3,175	6,630
1964	4,763	254	435	435	4,064	9,951
1965	7,185	230	110	290	3,505	11,320
1966	2,900	130	140	210	5,200	8,580
1967 1/	1,700	70	150	160	5,100	7,180
Australia:						
Average 1950-54	2,994	2/	196	290	2/	3,480
Average 1955-59	3,620	2/	370	580	2/	4,570
1960	3,946	2/	261	653	2/	4,860
1961	4,082	2/	544	580	2/	5,206
1962	2,667	2/	327	510	2/	3,504
1963	4,218	2/	435	510	2/	5,163
1964	3,184	2/	261	870	2/	4,315
1965	4,431	2/	333	336	2/	5,100
1966	3,279	2/	295	550	2/	4,124
1967 1/	6,627	2/	340	797	2/	7,764
Total:						
Average 1950-54	29,554	964	4,436	6,557	34,214	75,725
Average 1955-59	53,751	1,231	7,160	8,276	52,221	122,639
1960	60,647	1,030	7,429	6,868	67,617	143,591
1961	62,768	844	7,127	8,105	75,297	154,141
1962	52,118	606	4,866	6,506	66,750	130,846
1963	53,484	508	6,207	7,606	57,274	125,079
1964	47,039	592	6,500	9,078	64,700	127,909
1965	48,740	780	4,768	7,080	51,831	113,199
1966	34,311	900	5,206	7,641	50,735	98,793
1967 1/	37,413	783	6,700	7,029	49,454	101,379

1/ Preliminary. 2/ Production small and remaining stocks believed negligible.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

Stocks of wheat on July 1 in the United States, at 11.6 million tons, were down 20 percent from a year earlier, to continue the decline from the peak year in 1961. Barley stocks gained 15 percent, while oats were down 15 percent and corn 3 percent; rye was off slightly. Stocks of the four major U.S. feedgrains, including grain sorghum, amounted to 59.1 million tons, 10 percent lower than a year ago. Grain sorghum stocks at 8.5 millions compare with the 13.5 million tons held last year.

Canada held 17.5 million tons of wheat on July 1, 29 percent above 1966 stocks and the highest since 1961. Canada's barley stocks increased 44 percent, as oats declined 5 percent. Rye was off 15 percent and corn up 10 percent.

Wheat stocks in the Argentine, estimated at 1.7 million tons, were down 41 percent, following the below average crop of December 1966 and continued heavy export sales. Rye and oat stocks were also off sharply, while barley gained slightly and corn was off 2 percent. Argentina's grain sorghum stocks were estimated at 800,000 tons, down from 1.5 million tons a year earlier.

In Australia stocks of all grains were higher, reflecting heavy harvests at the turn of the year. Wheat stocks were particularly large, 6.6 million tons, 102 percent over last year.

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U.S. DEPARTMENT OF AGRICULTURE
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WORLD MIXED FEED OUTPUT MAKES BIG GAIN

The mixed feed 1/ industry continues to expand the world over, sustained by increasing demand for livestock products, advancing feeding technology, and improvements in livestock management and marketing practices. This growth can be seen in both industrial and developing nations--in grain-deficit as well as grain-surplus areas.

A total of 113 million metric tons of mixed feed was manufactured in the principal producing countries in 1965, according to information available to the Foreign Agricultural Service (Table 1).

Mixed-feed manufacture in the traditional feedgrain exporting countries (Canada, the United States, Argentina, Australia, and South Africa) totaled 61 million tons in 1965 for a gain of 6 percent over the previous year and 35 percent since 1957, the first year for which available data in all countries were collected. Production in the importing areas, on the other hand, was up 10 percent to 52 million tons in 1965 and 163 percent since 1957, indicating a much more rapid rate of growth than in the feed grain exporting countries. These grain-deficit areas produced 46 percent of the world's formula feeds in 1965, compared with only 30 percent 8 years earlier.

1/ For purposes of this circular, "mixed feeds" include both complete feeds and high protein concentrate mixtures to which grain must be added to make a complete, balanced feed. Mineral mixtures and premixes containing minerals, vitamins, and medicinal additives are excluded, as are individual items such as oilcake or meal, simple grains, and scratch grains. Included are feeds for animals that produce eggs, meat, milk, or fur or perform work, but not pet foods. Custom mixed feeds are included, but feeds mixed by livestock producers for use in their own premises are excluded.

Table 1.--MIXED FEEDS: Production in selected countries, 1957 through 1965

Country	1957	1958	1959	1960	1961	1962	1963	1964	1965 1/
	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.	1,000 m.t.
Canada 2/	2,500	2,550	2,600	2,685	3,042	3,074	3,168	4,790	5,272
Mexico	314	479	488	589	699	735	868	998	1,093
United States 2/	41,610	46,240	46,240	45,680	47,610	50,868	52,024	50,674	53,100
Argentina 2/	400	425	475	525	600	400	500	700	1,200
Colombia	57	73	103	125	164	220	250	263	287
Peru 2/	--	--	--	138	240	275	290	300	300
Venezuela	85	108	167	174	267	298	323	416	446
Belgium	1,147	1,174	1,384	1,550	1,838	2,154	2,009	2,194	2,478
France	1,640	1,956	2,377	2,217	2,552	3,131	3,421	4,011	4,552
Germany, West	2,306	2,784	2,924	3,592	3,853	5,086	4,913	5,576	6,610
Italy	430	500	600	800	900	1,050	1,300	1,500	2,000
Luxembourg	--	--	4	14	14	19	21	15	49
Netherlands	3,500	3,500	3,750	4,300	4,600	5,050	4,900	5,370	5,625
Austria	68	80	101	115	128	155	175	214	279
Denmark 3/	987	922	1,147	1,605	1,613	1,593	1,836	3,139	3,277
Finland 2/	83	93	106	134	109	134	132	127	130
Greece	20	28	35	70	80	100	130	140	170
Ireland	255	332	320	333	429	543	549	597	804
Norway	389	444	496	562	580	646	671	726	816
Portugal	41	48	47	68	93	103	180	280	400
Spain 2/	152	225	300	400	700	1,600	2,700	2,800	3,000
Sweden 4/	282	319	445	553	544	560	660	750	848
Switzerland	218	222	240	248	260	340	380	430	550
United Kingdom	6,450	7,305	8,647	8,785	9,103	9,579	9,355	9,467	9,898
Turkey	--	--	--	--	--	18	22	31	40
Israel 5/	464	586	638	689	742	737	720	732	730
Japan	910	964	1,283	2,091	3,408	4,096	5,444	6,643	7,524
Philippines	--	--	--	--	121	164	176	185	207
Australia	490	527	454	545	624	626	675	741	954
South Africa	425	494	491	401	449	478	533	601	688
Total	65,223	72,378	75,862	78,988	85,362	93,832	98,325	104,410	113,327

1/ Preliminary. 2/ Partially estimated. 3/ Through 1961 June-May year, thereafter May-April year. 4/ July-June year. 5/ October-September year.

The West European countries produced 41 million tons of mixed feed in 1965, 11 percent above 1964 and 131 percent over 1957. Just over half of the West European total, or 21 million tons, was produced in the European Economic Community. This was 14 percent over 1964 output and 136 percent above that of 1957. Output in the other West European countries, at 20 million tons, showed a gain of 8 percent in 1965 and 125 percent since 1957.

Mixed-feed production in the United States fell below 50 percent of the world total in 1964 for the first time. U.S. production in 1965, estimated at 53 million tons, represented 47 percent of the world total.

The United Kingdom, long the second largest formula feed maker, produced nearly 10 million tons in 1965, an increase of 5 percent over production the year before. Japan, the world's third largest producer with 7.5 million tons--up 13 percent--has virtually created a new industry over the last 8 years.

West Germany, the fourth ranking feed manufacturer, turned out 6.6 million tons for a gain of 19 percent for the year. The Netherlands production, at 5.6 million tons, gained 5 percent, while Canadian output, at 5.3 million tons, rose 10 percent.

Breakdown by type. Production of mixed feed by type in 1965 is shown in Table 2, which represents 96 percent of the total production reported. Poultry feeds have continued as the largest group, occupying a 48 percent share of the total. Cattle feeds were second with 27 percent, followed by swine feeds with 22 percent and other items at 3 percent. Poultry feeds ranked first in most countries. However, cattle feeds were first in Norway and swine feeds led in Belgium, Luxembourg, the Netherlands, Denmark, Ireland, and Sweden, as well as in the total for all Western Europe. Swine feeds occupied second position in Argentina, France, West Germany, Japan, and the Philippines.

Production in the EEC comprised 38 percent poultry feeds, 26 percent cattle feeds, and 33 percent swine feeds, as compared with 35 percent, 31 percent and 33 percent, respectively, in the rest of Western Europe.

Mixed feed production versus grains fed. A rather clear relation exists between mixed feed production and total consumption of grains by livestock in the feed-deficit or grain-importing areas. While grain consumption has made substantial grains, mixed feed production has increased at a considerably faster rate. Indeed, the efficiency provided by mixed feeds has doubtless been one of the factors encouraging greater grain consumption.

Since 1960, both grain feeding and feed mixing in these areas have followed a remarkably consistent upward trend, with mixed feed starting from a much lower base (See Table 3). Total grains fed increased from 70.9 million tons in 1960 to 87.7 million in 1965, or 24 percent. Mixed feed production moved

Table 2.--MIXED FEEDS: Production, by type, in selected countries, 1965 1/

Country	Total	Poultry 2/	Cattle 3/	Swine	Other
	1,000 m. t.	1,000 m. t.	1,000 m. t.	1,000 m. t.	1,000 m. t.
Canada	5,272	2,077	1,633	1,521	41
Mexico	1,093	874	145	71	3
United States	53,100	27,600	15,900	8,000	1,600
Argentina	1,200	840	96	216	48
Colombia	287	217	55	11	4
Venezuela	446	307	71	60	8
Belgium	2,478	753	716	944	65
France	4,552	1,870	973	1,403	306
Germany, West	6,610	2,815	1,747	1,864	184
Italy	2,000	960	500	500	40
Luxembourg	49	12	16	21	--
Netherlands	5,625	1,725	1,625	2,200	75
EEC	21,314	8,135	5,577	6,932	670
Denmark 4/	3,277	656	1,038	1,577	6
Ireland	804	133	87	575	9
Norway	816	191	346	258	21
Sweden 5/	848	357	34	446	11
United Kingdom	9,898	4,095	3,377	2,253	173
Other Western Europe	15,643	5,432	4,882	5,109	220
Western Europe	36,957	13,567	10,459	12,041	890
Israel 6/	730	405	245	--	80
Japan	7,524	5,033	845	1,587	59
Philippines	207	156	--	50	1
Australia	954	715	n.a.	n.a.	239
South Africa	688	445	194 7/	42	7
Total	108,458	52,236	29,643	23,599	2,980

1/ Preliminary. 2/ Includes feeds for both egg and meat production. 3/ Includes feeds for both milk and beef production. 4/ May-April year. 5/ July-June year. 6/ October-September year. 7/ Includes sheep feeds.

Table 3.--Grains fed and mixed feed production in grain deficit areas 1/

Area	1960	1961	1962	1963	1964	1965
	Mil. m.t.	Mil. m.t.	Mil. m.t.	Mil. m.t.	Mil. m.t.	Mil. m.t.
Total:						
Grains fed	70.9	73.7	76.4	79.8	83.9	87.7
Mixed feed	29.2	33.0	38.4	41.4	46.9	52.1
Western Europe:						
Grains fed	65.2	66.7	68.8	71.3	74.8	77.4
Mixed feed	25.3	27.4	31.8	33.3	37.3	41.5
EEC:						
Grains fed	32.7	33.2	34.3	35.4	37.7	38.8
Mixed feed	12.5	13.8	16.5	16.6	18.7	21.3
Other W. Europe:						
Grains fed	32.5	33.5	34.6	35.9	37.1	38.6
Mixed feed	12.9	13.6	15.4	16.8	18.7	20.2
United Kingdom:						
Grains fed	13.6	13.8	14.7	15.3	15.0	16.2
Mixed feed	8.8	9.1	9.6	9.4	9.5	9.9
Japan:						
Grains fed	2.8	3.8	4.3	4.9	5.6	6.3
Mixed feed	2.1	3.4	4.1	5.4	6.6	7.5

1/ Grains fed shown on fiscal year basis.

from 29.2 million tons to 52.1 million tons, for a 78-percent gain. However, where mixed feeds were 41 percent as great as grains fed in 1960, they advanced to 59 percent by 1965.

It should be noted that the mixed-feed/grains-fed percentages are not comparisons on a grain basis alone since mixed feeds contain ingredients other than grains. Typical balanced rations contain 60 to 65 percent of whole grains, the other ingredients being protein meals, byproduct feeds, and other lesser items. Accordingly, if all grains fed went into balanced rations, the total product would be approximately 160 percent of the grains themselves. If a country's mixed-feed total contains substantial amounts of high protein supplement feeds, the ratio could be even higher.

Within the West European area, the EEC and the other West European countries as a group have shown very similar performance. In total grains fed, each group moved from 33 million tons in 1960 to 39 million tons in 1965, for a 19-percent increase. However, in the EEC mixed feeds increased 70 percent in the 6-year period to 55 percent of grains fed, while in other countries of Western Europe they were up 57 percent--to 52 percent of total grains fed.

Grain consumption by livestock in the United Kingdom (which was included in other Western Europe, above) also increased 19 percent between 1960 and 1965, to 16.2 million tons. Mixed feed, however, gained only 12.5 percent to 9.9 million tons, and actually declined from 65.6 percent to 61.1 percent relative to grains fed. This percentage decline reflects heavier feeding in the grain-growing areas and increased on-farm mixing, which is not included in commercial data. Also, some mixed feed production in integrated units may be unreported in the national total.

Japan, on the other hand, presents quite a different picture. Grains fed, at 6.3 million tons in 1965, were 125 percent above the 1960 level. Mixed-feed production went up 257 percent in the same period, to 7.5 million tons. Relative to total grains fed Japanese mixed feed production moved from 75 percent in 1960 to 119 percent in 1965.

Japan, of course, is not unique in this respect. Belgium-Luxembourg figures for 1965 show that mixed feed production there exceeded grains fed by 15 percent, while in the Netherlands it was 47 percent larger than grains fed. These countries, along with Japan, feed much larger quantities of grain than they produce, and, therefore, rely heavily on imported grains. It is obvious, too, that they depend on mixed feeds to secure high performance in their feeding operations.

Prospective changes in the EEC. Because of the rapid development within the EEC, substantial changes may be expected in the structure of the feed-mixing industry of this very sizable grain market. There are indications that livestock feeding will increase in the grain growing areas of interior France and

southern Germany. This, along with increased feeding generally to dairy cows, will doubtless mean increased feed formulation, especially in on-farm and custom mixing. Integrated production of eggs and poultry, with their in-house feed mixing operations, will no doubt continue to grow, although oriented more toward the points of entry of the low fiber grains (i.e., corn and grain sorghum). These developments, particularly in on-farm and integrated mixing, could complicate the problem of statistical reporting on mixed feed production in the EEC as they have in other areas.

Outlook for continued expansion. Expansion of mixed feed production worldwide can be expected to follow the increase in demand for livestock products, which is projected to continue through 1970 and as far as 1975. The rising trend in disposable incomes, the more desirable forms in which products are presented to the public, and changes in buyers' tastes are pushing per capita consumption of livestock products to higher levels. This, along with population growth, increases the market demand for eggs and poultry, dairy products, beef, pork, and other livestock products.

Larger numbers of laying hens, meat birds, and hogs and higher performance of dairy and beef animals will be required to meet the growing demand. The consumption of, and trade in, feedgrains must increase accordingly. Mixed feed production must also continue to expand, particularly in the grain-deficit areas where efficient utilization of feeds is especially important.

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WORLD BARLEY AND OATS

PRODUCTION SETS NEW HIGH

The worldwide forecast of barley and oats production in 1967 totals 149 million metric tons, 3 percent above 1966, on the basis of information available to the Foreign Agricultural Service.

World barley production in 1967 is estimated at a record 105.0 million tons, 5 percent above the 1966 crop, with Western Europe accounting for most of the increase. Total acreage was up an estimated 3 percent.

The North American barley crop totaled 13.8 million tons, down 10 percent, as per acre yield declined 9 percent. In Canada the barley outturn of 5.4 million tons was 18 percent lower than a year earlier, while acreage at the same time gained 9 percent. All areas of Canada had increased barley acreages in 1967, as oats area was apparently diverted to both barley and wheat across the country. Severe drought conditions in Saskatchewan , Alberta and British Colombia accounted for the smaller total crop. All other areas had larger crops, notably Manitoba and Ontario, both with 18 percent gains.

Barley production in the United States, at 8.1 million tons, was off 4 percent as acreage declined 8 percent. Yields were up sharply in California and generally in the Mountain States as well as in Minnesota and South Dakota. However, substantial acreage reductions in North Dakota, Montana, Washington and Oregon accounted principally for the smaller overall harvest.

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1966 and 1967 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	1966	1967 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada	6,058	7,461	8,115	28.4	40.4	30.5	3,743	6,558	5,394	301.2	247.7
United States	12,078	10,227	9,370	33.8	38.1	39.9	8,831	8,481	8,130	389.6	373.4
Mexico	572	531	576	13.5	15.3	18.6	169	177	233	8.1	10.7
Total 5/	18,710	18,220	18,060	31.3	38.4	35.0	12,745	15,220	13,760	699.0	632.0
South America:											
Argentina	1,517	1,027	--	22.8	19.6	--	753	438	--	20.1	--
Chile	169	193	--	33.2	42.1	--	122	177	--	8.1	--
Colombia	140	124	158	35.8	35.2	33.4	109	95	115	4.4	5.3
Ecuador	265	264	264	14.9	16.5	18.3	86	95	105	4.4	4.8
Peru	449	432	432	19.0	18.6	19.1	186	175	180	8.0	8.3
Uruguay	120	114	--	13.1	12.5	--	34	31	30	1.4	--
Total 5/	2,660	2,155	2,185	22.3	21.6	21.6	1,290	1,015	1,030	46.6	47.3
Europe:											
EEC:											
Belgium	305	396	390	68.9	56.4	71.4	458	486	606	22.3	27.8
France	5,645	6,528	6,813	50.8	52.2	64.4	6,239	7,421	9,550	340.8	438.6
Germany, West	2,735	3,183	3,232	57.6	55.8	67.3	3,433	3,869	4,734	177.7	217.4
Italy	517	442	440	23.6	26.3	30.0	266	253	285	11.6	13.1
Luxembourg	20	30	32	46.2	56.6	64.6	20	37	45	1.7	2.1
Netherlands	227	297	265	75.7	64.4	78.3	374	416	452	19.1	20.8
Total EEC	9,449	10,876	11,172	52.4	52.7	64.4	10,790	12,482	15,672	573.3	719.8
Austria	517	568	568	51.2	57.1	55.2	576	706	683	32.4	31.4
Denmark	2,112	2,748	2,856	70.5	69.2	71.8	3,241	4,141	4,467	190.2	205.2
Finland	560	794	874	31.8	34.5	31.5	387	597	600	27.4	27.6
Greece	456	802	960	25.0	36.6	40.4	248	639	845	29.3	38.8
Ireland	396	462	447	58.2	60.6	59.5	502	610	579	28.0	26.6
Norway	407	464	465	47.7	40.1	48.0	423	405	486	18.6	22.3
Portugal	305	247	267	8.5	9.5	15.1	56	51	88	2.3	4.0
Spain	3,536	3,202	3,707	24.6	31.3	32.6	1,893	2,183	2,630	100.3	120.8
Sweden	933	1,404	1,324	51.6	46.1	55.6	1,049	1,408	1,604	64.7	73.7
Switzerland	75	79	80	60.3	58.1	59.1	99	100	103	4.6	4.7
United Kingdom	4,186	6,130	6,036	64.6	67.1	70.6	5,891	8,950	9,276	411.1	426.1
Total Western Europe 5/	22,935	27,780	28,760	50.4	53.4	59.1	25,155	32,275	37,035	1,482.4	1,701.0
Bulgaria	793	1,030	1,038	37.2	47.4	50.9	643	1,064	1,150	48.9	52.9
Czechoslovakia	1,717	1,648	1,663	43.5	43.7	45.6	1,625	1,567	1,650	72.0	75.8
Germany, East	1,029	1,287	1,186	54.2	54.4	55.8	1,214	1,525	1,440	70.0	66.1
Hungary	1,278	1,208	1,104	34.5	34.8	35.4	960	916	850	42.1	39.0
Poland	1,754	1,700	1,700	35.1	37.8	35.1	1,342	1,400	1,300	64.3	59.7
Romania	603	608	618	30.3	36.5	37.2	398	483	500	22.2	23.0
Yugoslavia	892	974	870	27.1	33.6	32.9	527	713	624	32.7	28.7
Total Eastern Europe 5/	8,070	8,455	8,180	38.2	41.7	42.2	6,710	7,670	7,515	352.3	345.2
Total Europe 5/	31,005	36,235	36,940	47.2	50.6	55.2	31,865	39,945	44,550	1,834.7	2,046.2
U.S.S.R. (Europe and Asia) 6/	41,463	47,937	49,000	17.8	23.0	22.7	16,117	24,000	24,200	1,102.3	1,111.5

Africa:											
Algeria	2,617	--	--	10.0	--	--	569	136	--	6.2	--
Morocco	4,254	--	--	12.0	--	--	1,114	506	1,100	23.2	50.5
Tunisia	1,310	932	--	4.8	3.9	--	138	80	80	3.7	3.7
United Arab Republic	133	101	--	49.0	46.4	--	142	102	110	4.7	5.1
South Africa, Republic of	81	87	--	20.5	15.5	--	36	29	--	1.4	--
Total 5/	8,400	5,125	6,975	10.8	7.7	11.4	2,000	855	1,725	39.3	79.2
Asia:											
Cyprus	161	200	--	19.1	11.7	--	67	51	--	2.3	--
Iran	3,500	3,650	3,650	12.5	12.6	12.8	950	1,000	1,020	45.9	46.9
Iraq	2,695	--	--	15.3	--	--	897	700	700	32.2	32.2
Israel	165	119	104	18.0	5.8	35.3	65	15	80	0.7	3.7
Syria	1,859	--	--	13.4	--	--	542	150	350	6.9	16.1
Turkey	6,816	6,696	6,795	22.3	24.0	27.0	3,310	3,500	4,000	160.8	183.7
Afghanistan	862	865	--	16.1	19.9	--	378	375	--	17.2	--
India	7,765	6,506	7,065	15.6	16.8	15.9	2,630	2,377	2,449	109.2	112.5
Japan	1,575	959	872	46.5	52.9	54.4	1,593	1,105	1,032	50.8	47.4
Korea, South	2,100	2,375	--	32.8	39.2	--	1,501	2,028	--	93.1	--
Pakistan	541	436	502	11.6	10.1	--	136	96	--	4.4	--
Total 5/	47,190	41,625	42,480	18.4	19.4	20.2	18,855	17,600	18,665	808.4	857.3
Oceania:											
Australia	2,263	2,400	--	22.4	23.7	--	1,065	1,241	--	57.0	--
New Zealand	82	88	--	54.8	64.6	--	98	124	--	5.7	--
Total 5/	2,345	2,488	--	22.8	25.2	--	1,163	1,365	1,025	62.7	47.1
World Total 5/	151,775	153,790	157,880	25.4	29.9	30.5	84,035	100,000	104,960	4,593.0	4,820.8

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1967 is combined with preliminary forecasts for Southern Hemisphere harvests which begin late in 1967 and end early in 1968. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimated for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics for foreign governments, other foreign materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

OATS: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1966 and 1967 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	1966	1967 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada 5/	9,286	7,924	7,436	42.8	47.3	40.5	6,127	5,778	4,647	374.7	301.3
United States	22,784	17,848	16,215	43.9	44.7	49.7	14,496	11,584	11,694	798.1	805.6
Mexico	213	230	198	23.9	24.6	21.2	74	82	61	5.6	4.2
Total 6/	32,285	26,005	23,850	44.2	46.2	47.4	20,700	17,445	16,405	1,201.9	1,130.2
South America:											
Argentina	1,502	1,035	--	34.3	35.9	--	748	540	--	37.2	--
Chile	275	242	--	31.4	39.3	--	125	138	--	9.5	--
Uruguay	204	227	--	22.0	21.9	--	65	72	--	5.0	--
Total 6/	1,985	1,505	--	32.6	34.3	--	940	750	690	51.7	47.5
Europe:											
EEC:											
Belgium	308	226	234	93.6	89.4	97.5	418	293	331	20.2	22.8
France	3,265	2,703	2,513	55.3	65.7	72.1	2,620	2,578	2,629	177.6	181.1
Germany, West	1,884	1,921	1,997	80.8	83.9	93.8	2,211	2,340	2,719	161.2	187.3
Italy	1,152	887	897	31.4	37.0	43.2	525	477	563	32.9	38.9
Luxembourg	39	33	35	65.9	67.3	72.8	37	32	37	2.2	2.5
Netherlands	282	245	217	103.8	100.4	113.0	425	357	356	24.6	24.5
Total EEC	6,930	6,015	5,893	62.0	69.6	77.6	6,236	6,077	6,635	418.7	457.1
Austria	376	311	311	61.5	72.0	68.9	336	325	311	22.4	21.4
Denmark	472	581	591	101.2	102.3	104.3	693	863	895	59.5	61.7
Finland	1,153	1,183	1,150	50.5	51.3	49.7	846	881	830	60.7	57.2
Greece	311	300	283	33.1	40.0	40.2	150	174	165	12.0	11.4
Ireland	352	243	240	71.6	82.2	75.8	360	290	264	20.0	18.2
Norway	137	101	101	69.8	62.8	73.0	138	92	107	6.3	7.4
Portugal	780	551	655	7.0	8.5	12.7	79	68	121	4.7	8.3
Spain	1,356	1,114	1,198	22.9	25.9	25.5	450	418	443	28.8	30.5
Sweden	1,320	1,139	1,132	65.2	69.8	82.4	1,249	1,154	1,354	79.5	93.3
Switzerland	31	25	25	95.6	77.2	82.7	43	28	30	1.9	2.1
United Kingdom	1,529	907	1,013	76.8	85.0	94.7	1,705	1,120	1,392	77.1	95.9
Total Western Europe 6/	14,750	12,470	12,590	57.4	63.5	68.6	12,285	11,490	12,545	791.6	864.3

Bulgaria	373	321	321	30.3	36.5	38.6	164	170	180	11.7	12.4
Czechoslovakia	1,097	940	940	54.6	55.1	55.7	870	752	760	51.8	52.4
Germany, East	835	645	717	74.3	75.1	73.0	900	703	760	48.4	52.4
Hungary	245	151	138	34.8	32.8	30.9	124	72	62	5.0	4.3
Poland	3,988	3,504	3,504	46.6	53.1	51.1	2,700	2,700	2,600	186.0	179.1
Romania	447	339	309	28.7	24.4	26.8	186	120	120	8.3	8.3
Yugoslavia	801	791	709	30.1	33.6	34.0	350	386	350	26.6	24.1
Total Eastern Europe 6/	7,780	6,695	6,640	46.9	50.5	50.2	5,295	4,905	4,835	337.9	333.1
Total All Europe 6/	22,530	19,165	19,230	53.8	58.9	62.1	17,580	16,395	17,380	1,129.5	1,197.4
U.S.S.R. (Europe and Asia) 7/	21,050	17,791	17,800	21.5	29.0	26.3	6,559	7,500	6,800	516.7	468.5
Africa:											
Morocco	58	--	--	19.0	--	--	16	12	16	0.8	1.1
South Africa, Republic of	496	508	--	16.0	13.3	--	115	98	--	6.8	--
Total 6/	695	630	680	16.4	13.2	14.7	165	120	145	8.3	10.0
Asia:											
Turkey	1,019	988	988	31.3	31.4	33.1	463	450	475	31.0	32.7
Japan	192	133	124	54.3	52.8	52.8	151	102	95	7.0	6.5
Total 6/	4,850	4,550	4,540	21.3	20.7	21.1	1,500	1,370	1,390	94.4	95.8
Oceania:											
Australia	3,383	3,900	--	20.1	26.5	--	1,228	1,502	--	103.5	--
New Zealand	33	31	--	85.9	77.5	--	41	35	--	2.4	--
Total 6/	3,416	3,931	--	25.6	26.9	--	1,269	1,537	--	105.9	--
World Total 6/	86,810	73,580	71,110	38.7	42.2	42.5	48,720	45,120	43,850	3,108.5	3,020.7

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1967 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1967 and end early in 1968. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

Western Europe had an exceptional barley crop, 15 percent over last year's record performance. Acreage was up 4 percent and yield 11 percent. The Common Market countries produced 15.7 million tons of barley, 26 percent above 1966, as area increased 3 percent and yield 22 percent. France harvested 9.6 million tons of barley, 29 percent over last year's record, with yield up 23 percent. The West German crop was at a record 4.7 million tons up 22 percent, as yield increased 21 percent.

The United Kingdom barley crop is estimated at a record 9.3 million tons, up 4 percent. Production increased 8 percent in Denmark, 20 percent in Spain, 14 percent in Sweden and 32 percent in Greece--all to record levels.

The East European barley crop is estimated at 7.5 million tons, down 2 percent, with performance very similar to last year throughout the area. Barley production in the Soviet Union is estimated slightly higher than in 1966, at 24.2 million tons, as acreage increased moderately.

African barley production is estimated at 1.7 million tons, indicating a recovery from last year's very poor crop, particularly in Northern Africa. In Asia, Turkey's barley crop is estimated 14 percent higher and that of India 3 percent higher, while Japan's production continued to decline and was off 7 percent.

There is uncertainty about the size of barley crops in the Southern Hemisphere because of mid-season drought in Argentina and Australia. Some increase in production is indicated in the more northerly countries of South America, but Australia's outturn will likely be reduced quite sharply.

World oat production in 1967 is estimated at 43.8 million tons, 3 percent below 1966 and 10 percent below the 1960-64 average. Acreage also declined 3 percent as compared with the previous year.

The North American oat crop totaled 16.4 million tons, down 6 percent. Canadian production was off 20 percent, as acreage declined in all provinces except Manitoba and yields dropped in all provinces but Ontario. The U.S. oat crop, at 11.7 million tons, was up 1 percent, with acreage declining 9 percent and yield gaining 11 percent. Large area reductions occurred from Ohio to Nebraska and the Dakotas.

Western European oats production, at 12.5 million tons, was up 9 percent on an unusual acreage increase of one percent and an 8 percent gain in yield. Per acre yields were at record levels in many heavy producing countries. The EEC crop was up 9 percent with an 11 percent higher yield. The French oat crop at 2.6 million tons was 2 percent above 1966 as acreage declined 7 percent. West Germany's production at 2.7 million tons was up 16 percent with acreage increasing 4 percent and yield 12 percent. The Swedish oat crop was up 17 percent on improved yield, while that of the United Kingdom rose 24 percent, with both increased acreage and yield.

Oat production in Eastern Europe was little changed from last year, with the crop estimated at 4.8 million tons, down one percent. The Soviet Union crop is estimated at 6.8 million tons, down 9 percent as yield declined from the high 1966 level.

Oat crops are expected to be moderately lower in South America and more sharply so in Australia.

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WORLD 1967 CORN PRODUCTION

INDICATED AT A NEW HIGH

World corn production in 1967 is estimated at a record 236 million metric tons, 4 percent above last year's high of 227 million tons, and 21 percent above the 1960-64 average, according to latest information available to the Foreign Agricultural Service. World corn acreage is estimated at 253 million acres, 3 percent above the 1966 area and 3.5 percent over the 5-year average. Per acre yields are indicated one percent above 1966 and 17 percent over 1960-64.

The North American corn crop is estimated at 132 million tons, up 13 percent, as Canada, the United States and Mexico all had harvests surpassing 1966 record levels. Canadian production at 1.8 million tons was up 12 percent, with an increase of 9 percent in acreage. The U.S. corn crop at 119.3 million tons was up 14 percent on 8 percent larger acreage. Despite late planting in some areas and cool July-August temperatures in the corn belt the yield was at a record 76.6 bushels per acre, up 6 percent. Mexican production estimated at 8.5 million tons was 4 percent over 1966. Corn production was down generally in Central American countries because of limited moisture conditions.

The West European corn crop was 3 percent below 1966 at 9.9 million tons. French production suffered from dry weather in mid-season and at 3.6 million tons was 17 percent below last year's record crop. All other countries in the region had larger harvests than in 1966, the Italian outturn being up 8 percent.

Late-season drought reduced corn yields throughout Eastern Europe, the total crop being estimated at 19.8 million tons, down 13 percent. Yugoslavia and Hungary were hardest hit, with production down 19 percent and 16 percent, respectively.

CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1960-64, annual 1966-67 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	Average 1960-64	1966	1967 4/	1966	1967 4/
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 m. t.	1,000 m. t.	1,000 m. t.	Million bushels	Million bushels
North America:											
Canada	498	807	876	70.9	82.2	84.6	897	1,685	1,882	66.3	74.1
United States	59,876	56,888	61,319	62.5	72.1	76.6	94,562	104,224	119,287	4,103.3	4,696.3
El Salvador	448	513	500	17.2	20.4	17.3	196	266	220	10.5	8.7
Guatemala	1,682	1,900	--	13.3	16.7	--	570	805	782	31.7	30.8
Honduras	959	1,000	--	12.5	11.2	--	303	285	--	11.2	--
Mexico	15,416	18,533	19,000	15.5	17.4	17.6	6,064	8,200	8,500	322.8	334.6
Nicaragua	353	500	--	13.9	15.0	13.5	124	190	172	7.5	6.8
Total 5/	80,640	81,560	86,430	50.4	56.1	60.0	103,210	116,130	131,630	4,571.8	5,182.0
South America:											
Argentina	7,008	8,525	--	28.0	39.3	--	4,984	8,510	--	335.0	--
Brazil	19,308	21,500	--	20.6	22.7	--	10,112	12,400	--	488.2	--
Chile	183	180	--	37.9	54.2	--	176	248	--	9.8	--
Colombia	1,814	1,730	1,952	17.5	18.2	18.2	807	800	900	31.5	35.4
Ecuador	508	519	--	11.7	13.3	--	151	175	--	6.9	--
Peru	843	914	--	22.6	23.7	--	485	550	--	21.7	--
Uruguay	563	558	--	10.3	8.4	--	147	117	--	4.7	--
Venezuela	1,058	1,154	1,186	17.2	19.0	20.9	461	557	630	21.9	24.8
Total 5/	32,290	36,150	36,940	21.7	26.0	24.6	17,810	23,900	23,050	940.9	907.4
Europe:											
EEC:											
France	2,229	2,370	2,476	46.4	71.9	56.9	2,625	4,331	3,581	170.5	141.0
Germany, West	41	78	104	37.6	64.1	70.0	39	127	185	5.0	7.3
Italy	2,816	2,438	2,515	52.2	56.7	59.5	3,732	3,510	3,800	138.2	149.6
Total EEC 5/	5,086	4,886	5,095	49.5	64.2	58.5	6,396	7,968	7,566	313.7	297.9
Austria	130	137	148	61.2	78.9	76.9	202	275	289	10.8	11.4
Greece	461	354	348	24.4	35.9	37.3	286	323	330	12.7	13.0
Portugal	1,208	1,302	1,208	18.3	16.2	17.7	562	537	544	21.1	21.4
Spain	1,139	1,127	1,206	37.2	40.6	39.1	1,075	1,163	1,200	45.8	47.2
Total Western Europe 5/	8,030	7,810	8,005	41.8	51.8	48.8	8,520	10,270	9,930	404.3	390.9
Bulgaria	1,601	1,431	1,453	40.7	58.7	55.8	1,655	2,135	2,058	84.1	81.0
Czechoslovakia	509	420	420	39.4	52.0	46.2	509	555	493	21.8	19.4
Hungary	3,226	3,057	3,039	40.3	50.3	42.7	3,304	3,907	3,300	153.8	129.9
Romania	8,305	8,122	8,278	27.4	38.9	35.2	5,784	8,022	7,400	315.8	291.3
Yugoslavia	6,118	6,178	6,153	36.4	50.9	41.6	5,664	7,980	6,500	314.2	255.9
Total Eastern Europe 5/	19,760	19,210	19,345	33.7	46.3	40.2	16,920	22,600	19,750	889.7	777.5
Total all Europe 5/	27,790	27,020	27,350	36.1	47.9	42.7	25,460	32,870	29,680	1,294.0	1,168.4

U.S.S.R. (Europe and Asia) 6/	15,518	7,979	8,648	24.3	33.6	27.3	9,564	6,800	6,000	267.7	236.2
Africa:											
Morocco	1,122	1,083	1,139	10.4	5.6	10.1	297	154	291	6.1	11.5
United Arab Republic	1,793	1,661	--	40.0	52.1	--	1,823	2,200	2,200	86.6	86.6
Angola	1,465	--	--	10.9	--	--	407	380	--	15.0	--
Malagasy Republic	247	--	--	14.4	--	--	90	--	--	--	--
Rhodesia Zambia and Malawi	2,960	--	--	23.2	--	--	1,748	--	--	--	--
South Africa, Republic of	13,106	14,542	--	15.5	26.8	--	5,147	9,888	--	389.3	--
Total 5/	34,300	35,770	34,950	17.3	23.3	21.0	15,040	21,180	18,680	833.8	735.4
Asia:											
Turkey	1,689	1,618	1,668	21.4	24.3	26.0	916	1,000	1,100	39.4	43.3
China, Mainland	--	--	--	--	--	--	11,580	--	--	--	--
Afghanistan	1,236	--	--	22.5	--	--	707	720	--	28.3	--
Taiwan	43	55	--	29.4	37.2	--	32	52	--	2.0	--
India	11,200	12,506	--	15.5	15.7	--	4,402	4,991	5,500	196.5	216.5
Indonesia	7,060	--	--	15.6	--	--	2,799	3,005	--	118.3	--
Japan	100	64	59	40.9	38.9	40.0	104	63	60	2.5	2.4
Pakistan	1,190	1,377	--	16.5	16.9	--	498	590	--	23.2	--
Philippines	4,759	5,355	--	10.2	10.5	--	1,230	1,435	--	56.5	--
Thailand	922	--	--	30.7	--	--	720	1,277	1,000	50.3	39.4
Total 5/	53,270	57,450	57,970	17.3	17.9	18.1	23,370	26,090	26,600	1,027.1	1,047.2
Oceania:											
Australia	206	225	--	33.6	35.6	--	176	203	--	8.0	--
New Zealand	8	8	--	77.8	100.0	--	16	20	--	0.8	--
Total 5/	214	233	--	35.3	37.8	--	192	223	--	8.8	--
World Total 5/	244,020	246,160	252,520	31.4	36.3	36.8	194,650	227,190	235,860	8,944.0	9,285.3

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1967 is combined with preliminary forecasts for the Southern Hemisphere harvest which begins early in 1968. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary forecasts. 5/ Estimated totals include allowances for producing countries not shown. 6/ Production estimated.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

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The corn crop in the Soviet Union was also affected br drought and is estimated at 6.0 million tons, down 12 percent.

Asian corn production is estimated slightly larger than last year at 26.6 million tons. Turkey and India had 10 percent larger crops, while in Thailand dry weather during most of the season reduced the crop by an estimated 22 percent.

In South America, Brazil expects a large corn harvest in early 1968 and Argentina reports increased planting intentions. However, whether Argentina will match last year's exceptional production depends heavily on favorable weather conditions. This is also true for South Africa, which last season produced 9.9 million tons, 62 percent over the previous 1962 record.